GM UPFITTER INTEGRATION

BODY BUILDER MANUAL

FOR

2015 CHEVROLET SILVERADO/GMC SIERRA
ELECTRICAL SECTION

Revision 1.2

www.gmupfitter.com

September 19, 2014

GM UPFITTER INTEGRATION

Note to User:
As part of our mission to provide an up-to-date website that includes detailed Body Builder Manuals, Technical Bulletins, and Best Practice Manuals, we are now using sectional excerpts directly from the General Motors Service Information publications for our Electrical Body Builder Manuals.

You will note that the section numbers are non-sequential as we have provided only those that are believed to be the most pertinent to the Upfitter community and best suited to their needs.*

This new usage of the Service Information provides the opportunity for us to remain consistent with the changes that take place throughout the model year and to provide you updated information in a more timely fashion.

**** If you would like to have access to all of the electrical Service Information, please apply for a subscription from ACDelco at http://acdelcotechconnect.com/html/tss_tech_esi.jsp***

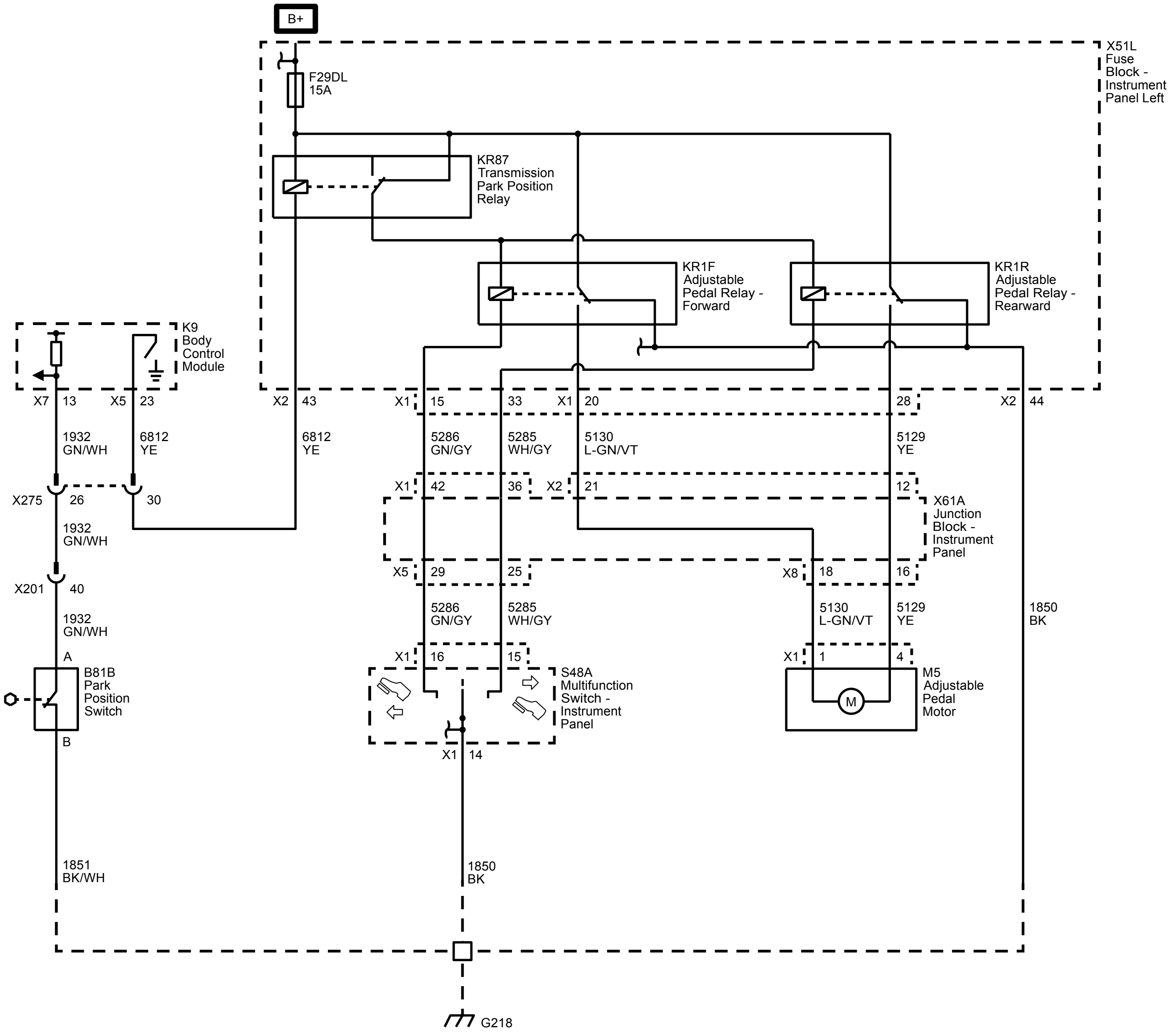
Body Systems

Adjustable Pedals

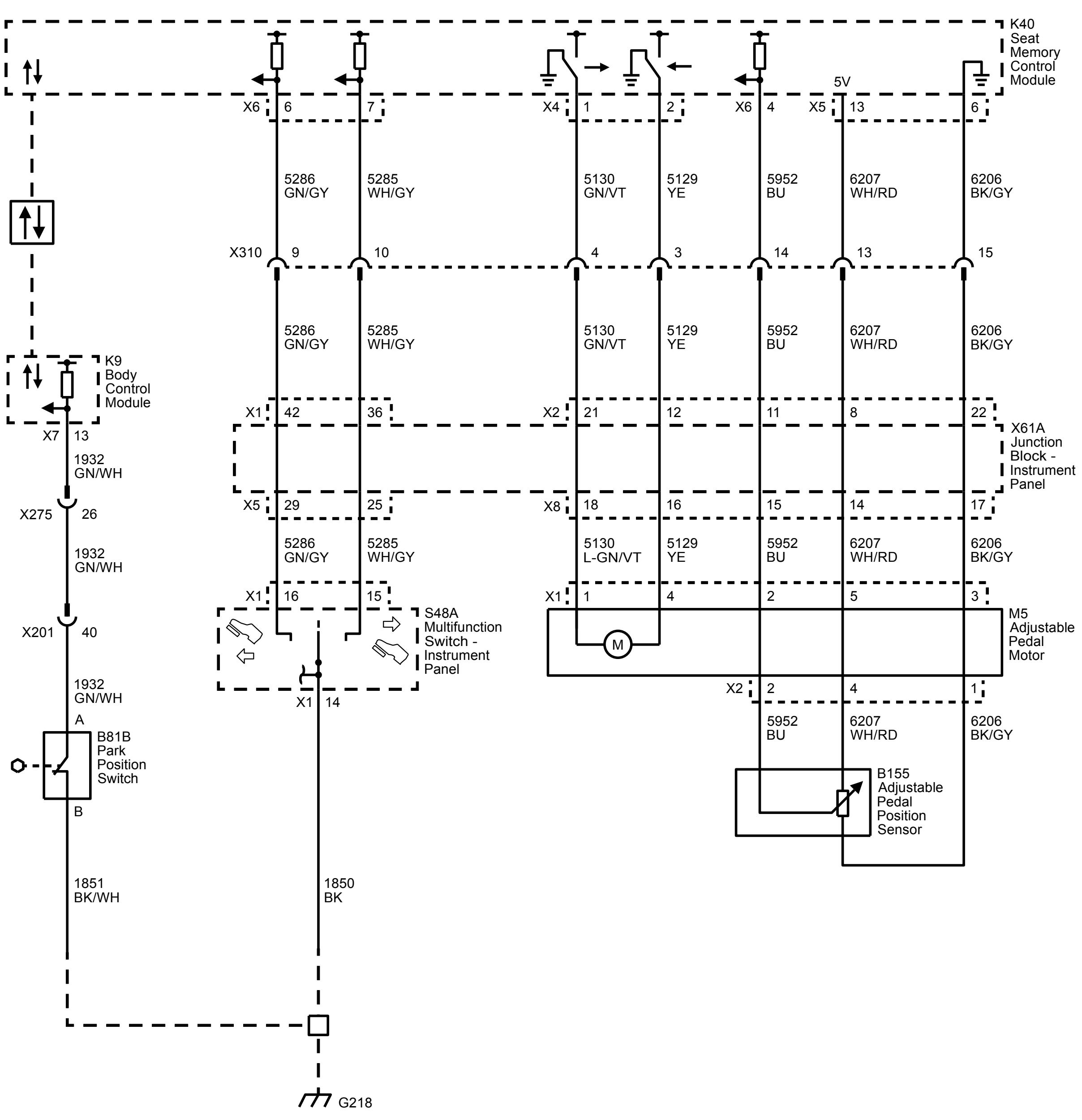
Schematic and Routing Diagrams

Adjustable Pedal Schematics

Adjustable Pedals (without A45)


B+
F29DL
15A
X51L
Fuse
Block -
Instrument
Panel Left
KR87
Transmission
Park Position
Relay
KR1F
Adjustable
Pedal Relay -
Forward
KR1R
Adjustable
Pedal Relay -
Rearward
K9
Body
Control
Module
X7 13
X5 23
X2 43
X1 15
33
X1 20
28
X2 44
1932
GN/WH
6812
YE
6812
YE
5286
GN/GY
5285
WH/GY
5130
L-GN/VT
5129
YE
X275 26
30
X1 42
36
X2 21
12
X61A
Junction
Block -
Instrument
Panel
1932
GN/WH
X201 40
X5 29
25
X8 18
16
1932
GN/WH
5286
GN/GY
5285
WH/GY
5130
L-GN/VT
5129
YE
1850
BK
A
B81B
Park
Position
Switch
B
X1 16
15
S48A
Multifunction
Switch -
Instrument
Panel
X1 14
X1 1
4
M
M5
Adjustable
Pedal
Motor
1851
BK/WH
1850
BK
G218

Adjustable Pedals (A45)

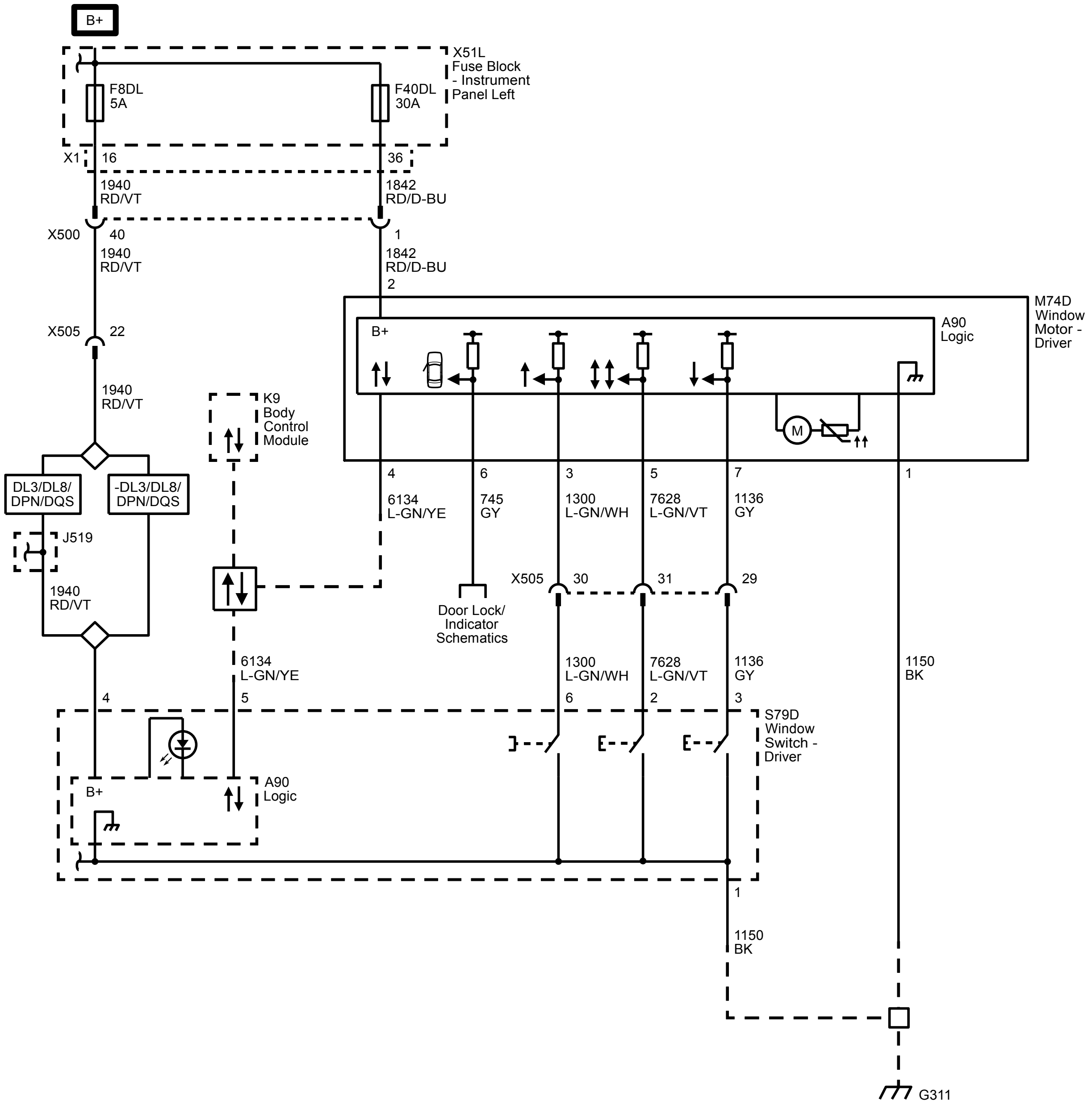

K40
Seat
Memory
Control
Module
X6 6 7
X4 1 2
X6 4
5V
X5 13
6
5286
GN/GY
5285
WH/GY
5130
GN/VT
5129
YE
5952
BU
6207
WH/RD
6206
BK/GY
X310 9 10 4 3 14 13 15
5286
GN/GY
5285
WH/GY
5130
GN/VT
5129
YE
5952
BU
6207
WH/RD
6206
BK/GY
K9
Body
Control
Module
X7 13
1932
GN/WH
X275 26
1932
GN/WH
X201 40
1932
GN/WH
A
B81B
Park
Position
Switch
B
1851
BK/WH
X1 42 36
X2 21 12 11 8 22
X61A
Junction
Block -
Instrument
Panel
X5 29 25
X8 18 16 15 14 17
5286
GN/GY
5285
WH/GY
5130
L-GN/VT
5129
YE
5952
BU
6207
WH/RD
6206
BK/GY
X1 16 15
S48A
Multifunction
Switch -
Instrument
Panel
X1 14
1850
BK
X1 1 4 2 5 3
M
M5
Adjustable
Pedal
Motor
X2 2 4 1
5952
BU
6207
WH/RD
6206
BK/GY
B155
Adjustable
Pedal
Position
Sensor
G218

Fixed and Moveable Windows

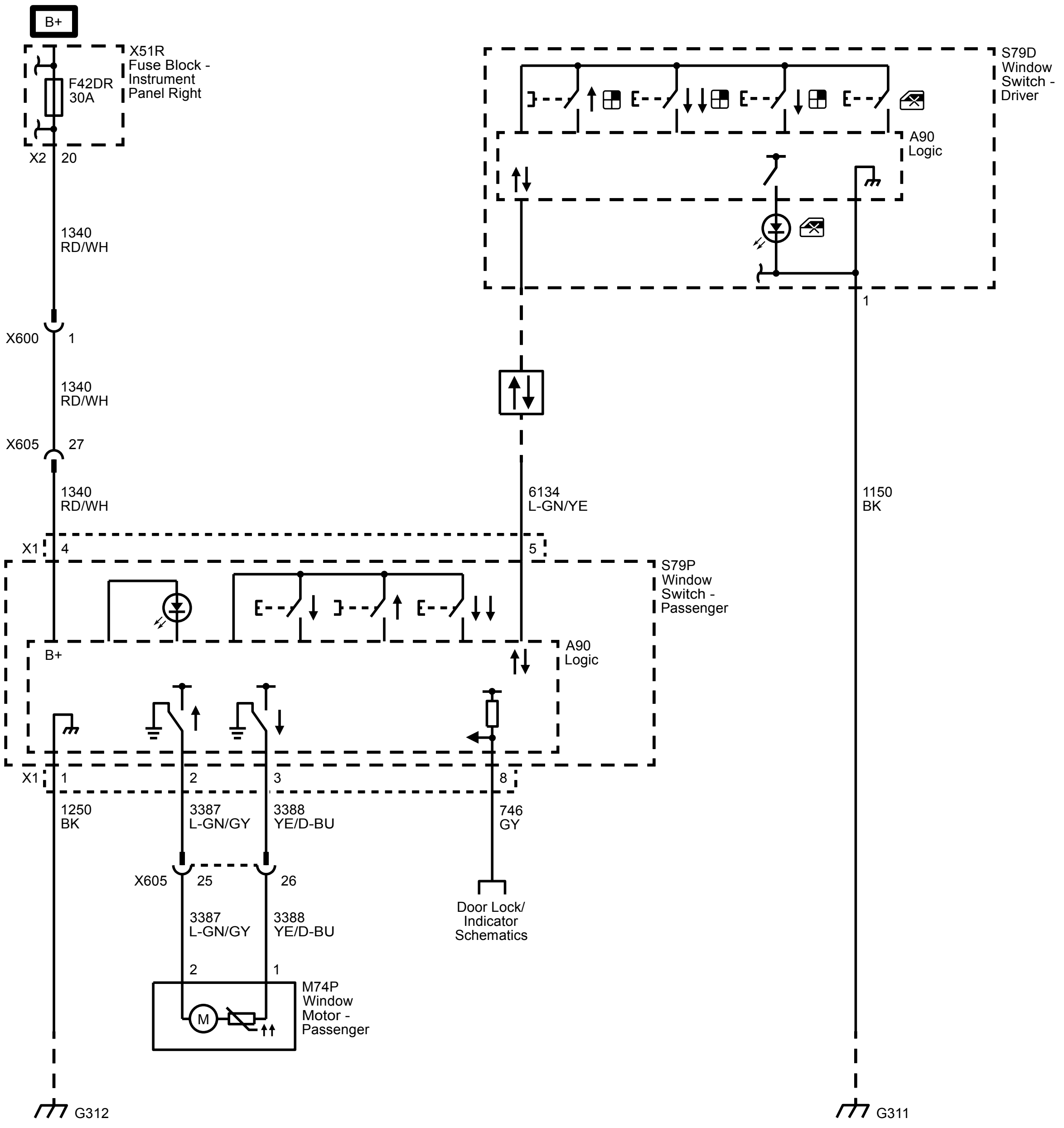
Schematic and Routing Diagrams

Moveable Window Schematics

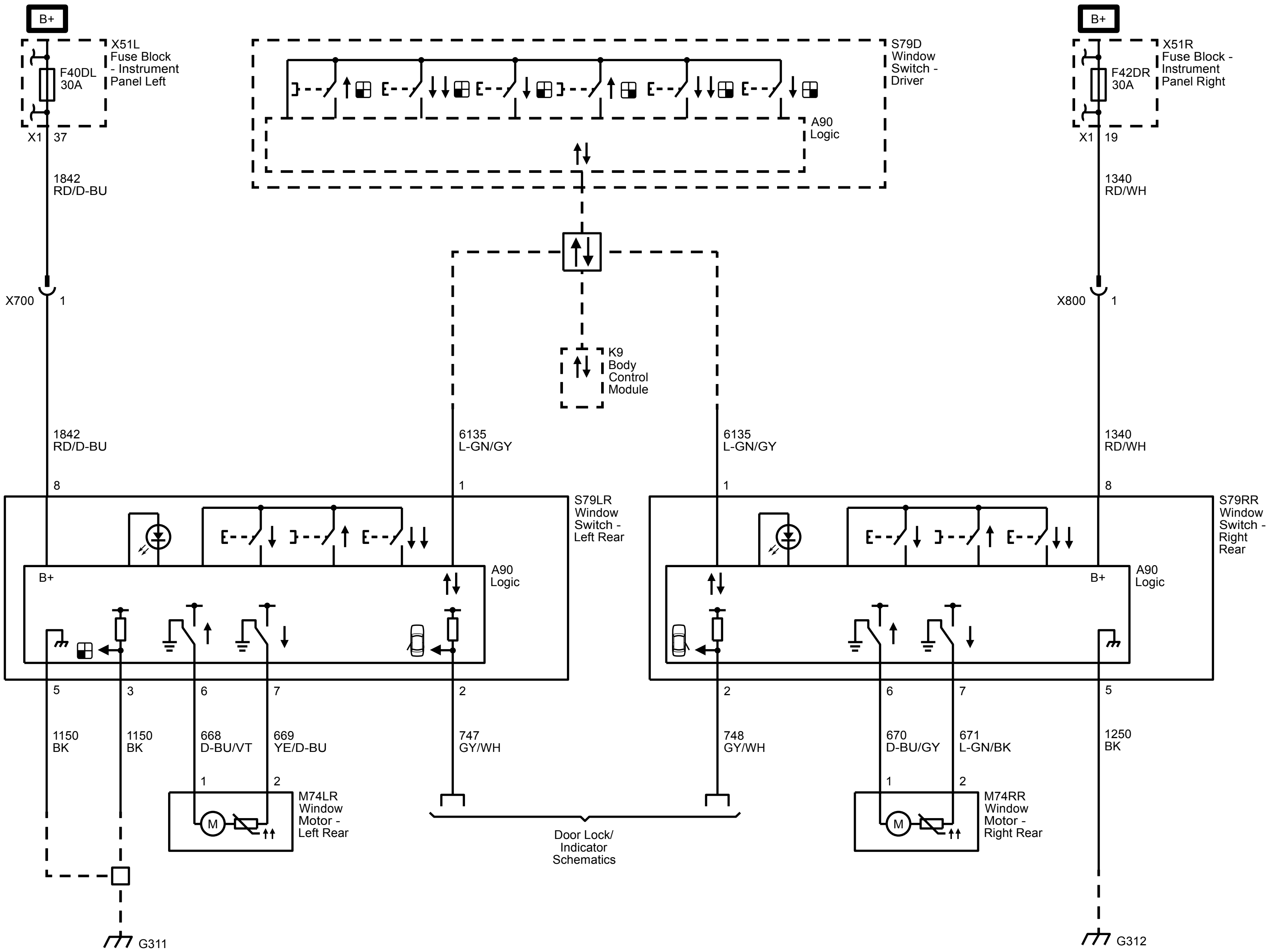
Driver Door (A31)


B+
X51L
Fuse Block
- Instrument
Panel Left
F8DL
5A
F40DL
30A
X1
16
36
1940
RD/VT
1842
RD/D-BU
X500
40
1
1940
RD/VT
1842
RD/D-BU
2
X505
22
1940
RD/VT
M74D
Window
Motor -
Driver
A90
Logic
B+
M
K9
Body
Control
Module
DL3/DL8/
DPN/DQS
-DL3/DL8/
DPN/DQS
J519
1940
RD/VT
4
6134
L-GN/YE
6
745
GY
3
1300
L-GN/WH
5
7628
L-GN/VT
7
1136
GY
1
X505
30
31
29
Door Lock/
Indicator
Schematics
6134
L-GN/YE
1300
L-GN/WH
7628
L-GN/VT
1136
GY
1150
BK
4
5
6
2
3
S79D
Window
Switch -
Driver
B+
A90
Logic
1
1150
BK
G311

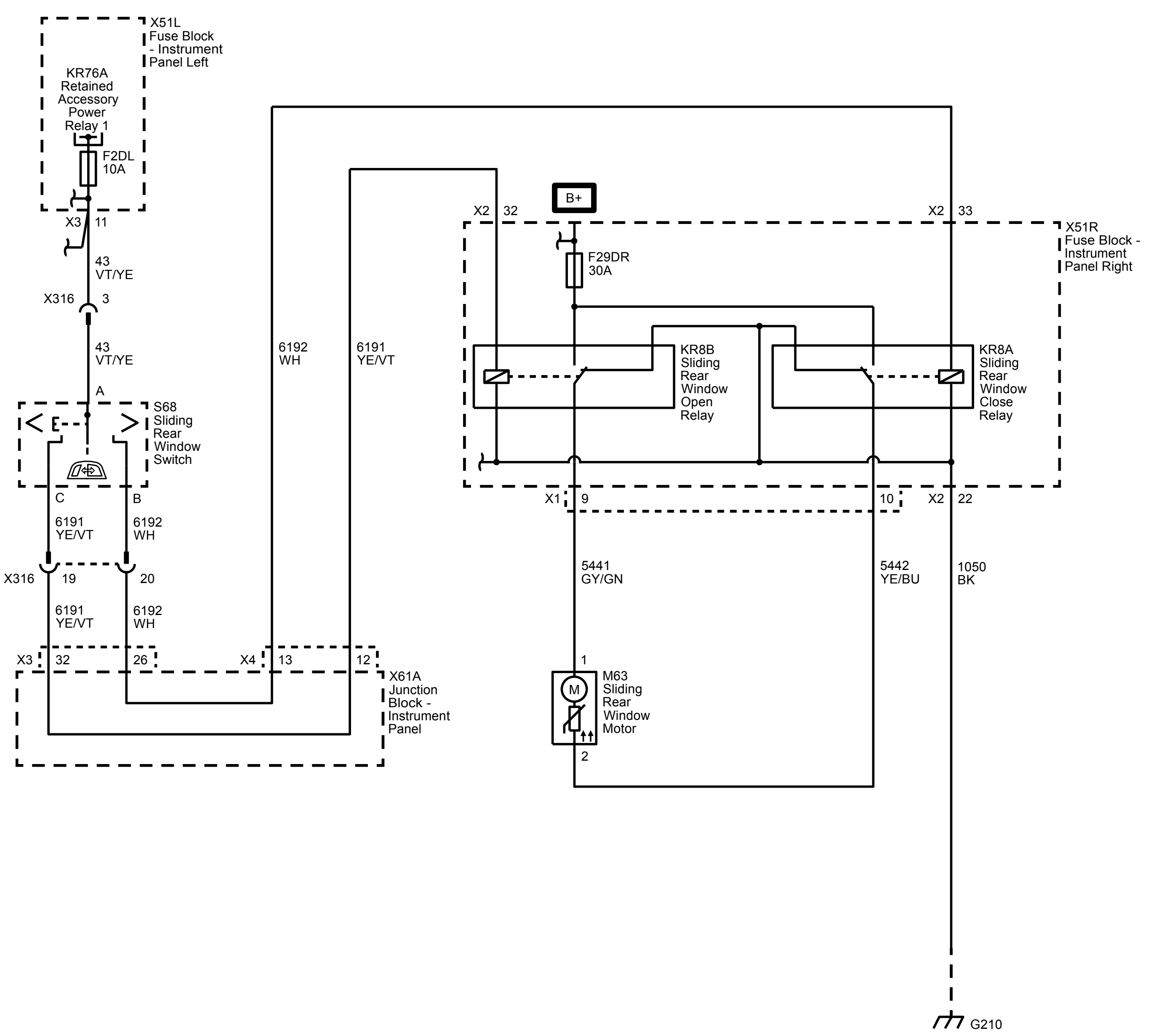
Passenger Door (A31)


B+
X51R
Fuse Block -
Instrument
Panel Right
F42DR
30A
X2
20
1340
RD/WH
X600
1
1340
RD/WH
X605
27
1340
RD/WH
S79D
Window
Switch -
Driver
A90
Logic
1
6134
L-GN/YE
1150
BK
X1
4
5
S79P
Window
Switch -
Passenger
B+
A90
Logic
X1
1
2
3
8
1250
BK
3387
L-GN/GY
3388
YE/D-BU
746
GY
X605
25
26
3387
L-GN/GY
3388
YE/D-BU
2
1
M
M74P
Window
Motor -
Passenger
Door Lock/
Indicator
Schematics
G312
G311

Rear Doors (Extended or Crew Cab)

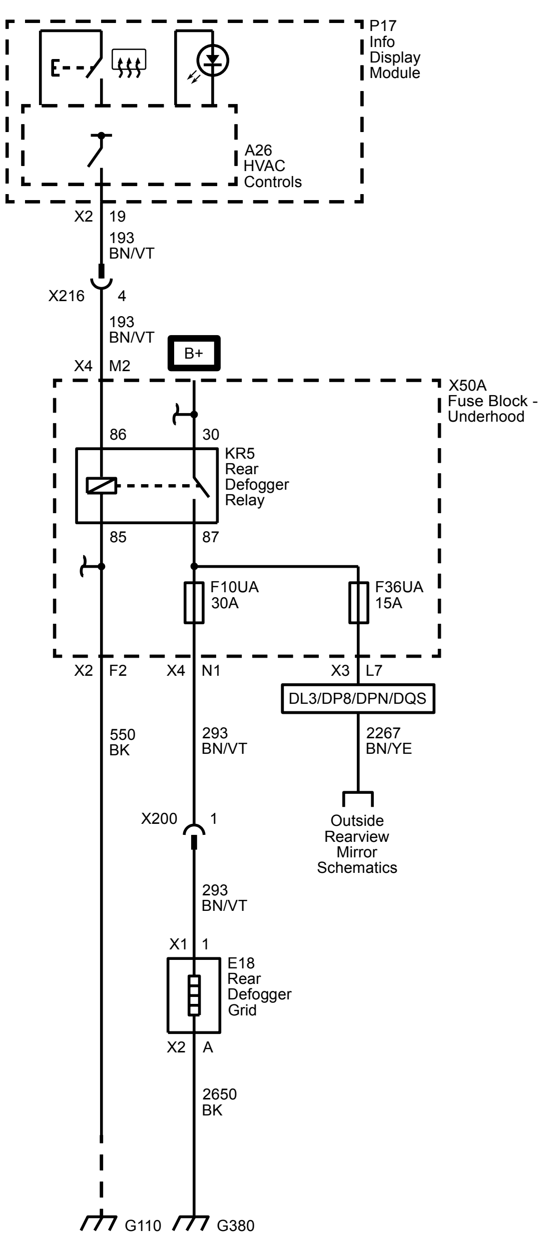

B+
X51L
Fuse Block - Instrument Panel Left
F40DL
30A
X1
37
1842
RD/D-BU
X700
1
S79D
Window Switch - Driver
A90
Logic
K9
Body Control Module
6135
L-GN/GY
B+
X51R
Fuse Block - Instrument Panel Right
F42DR
30A
X1
19
1340
RD/WH
X800
1
8
S79LR
Window Switch - Left Rear
A90
Logic
B+
5
3
6
7
2
1150
BK
1150
BK
668
D-BU/VT
669
YE/D-BU
747
GY/WH
M74LR
Window Motor - Left Rear
M
G311
Door Lock/ Indicator Schematics
S79RR
Window Switch - Right Rear
748
GY/WH
670
D-BU/GY
671
L-GN/BK
1250
BK
M74RR
Window Motor - Right Rear
G312

Rear Sliding Window (A48)


X51L
Fuse Block - Instrument Panel Left
KR76A Retained Accessory Power Relay 1
F2DL 10A
X3 11
43 VT/YE
X316 3
43 VT/YE
A
S68 Sliding Rear Window Switch
C
B
6191 YE/VT
6192 WH
X316 19
20
6191 YE/VT
6192 WH
X3 32
26
X4 13
12
X61A Junction Block - Instrument Panel
6192 WH
6191 YE/VT
X2 32
B+
F29DR 30A
KR8B Sliding Rear Window Open Relay
KR8A Sliding Rear Window Close Relay
X2 33
X51R Fuse Block - Instrument Panel Right
X1 9
10
X2 22
5441 GY/GN
5442 YE/BU
1050 BK
1
M
M63 Sliding Rear Window Motor
2
G210

Defogger Schematics

Defogger


P17
Info
Display
Module
A26
HVAC
Controls
X2
19
193
BN/VT
X216
4
193
BN/VT
B+
X4
M2
X50A
Fuse Block -
Underhood
86
30
KR5
Rear
Defogger
Relay
85
87
F10UA
30A
F36UA
15A
X2
F2
X4
N1
X3
L7
DL3/DP8/DPN/DQS
550
BK
293
BN/VT
2267
BN/YE
X200
1
Outside
Rearview
Mirror
Schematics
293
BN/VT
X1
1
E18
Rear
Defogger
Grid
X2
A
2650
BK
G110
G380

Description and Operation

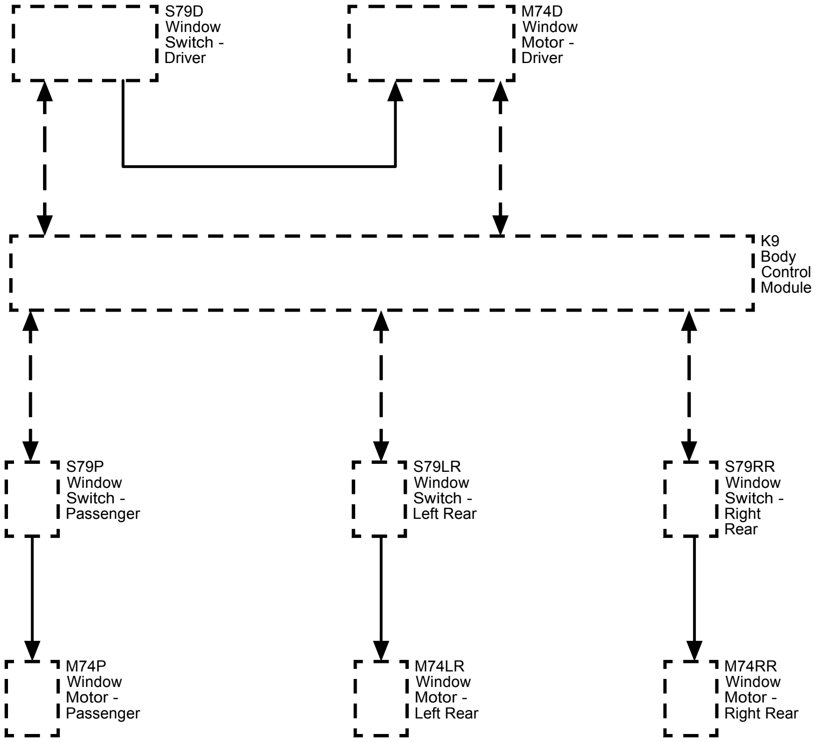
Power Windows Description and Operation

Power Windows System Components

The power window system consists of the following components:

- Driver window switch
- Passenger window switch
- Left rear window switch (Extended Cab and Crew Cab)
- Right rear window switch (Extended Cab and Crew Cab)
- Window motors in each of the doors
- Sliding rear window switch
- Sliding rear window relays
- Sliding rear window motor
- 30A Fuse
- Body control module (BCM)

14 Power Windows AXG-AER-AEQ Block Diagram


S79D Window Switch - Driver
M74D Window Motor - Driver
K9 Body Control Module
S79P Window Switch - Passenger
S79LR Window Switch - Left Rear
S79RR Window Switch - Right Rear
M74P Window Motor - Passenger
M74LR Window Motor - Left Rear
M74RR Window Motor - Right Rear

Driver Express Up and Express Down Power Window

The driver door contains a window motor is smart motor that will detect excessive resistance while performing the express up function and automatically reverse direction to prevent injury to any occupants that may become trapped between the closing window and the door frame. The automatic reverse safety feature can be overridden by pulling and holding the window switch.

The logic circuit within the window motor monitors the up, down and express signal circuits which are normally equal to B+ voltage. When a switch is used on the window switch, the contacts close causing a voltage drop within the appropriate signal circuit. The window motor will detect the voltage drop and will command the window to move in the direction requested.

The driver window switch communicates to the BCM by a serial data circuit. When the driver wishes to control the passenger window, the driver will use the appropriate switch on the driver window switch. When this switch is used, a serial data message is sent to the BCM requesting the passenger window motor command, the BCM will then send a serial data message to the passenger window motor which will then move in the direction requested

Passenger, Left Rear and Right Rear Express Down Power Windows

For the passenger, right rear and left rear doors, when their window switch is pressed in the down position, battery positive voltage is applied to their respective window motor control circuit and ground to the other window motor control circuit causing that window to open. When the individual window switch is pulled in the up position, voltage and ground is applied to the window motor in the opposite direction causing that window to close. The return path to ground is supplied through the inactive control circuit being normally grounded through the window switch.

Each passenger and rear window switch communicates to the BCM by a serial data circuit. When the driver wishes to control the passenger, left rear or right rear window, the driver will use the appropriate switch on the driver window switch. When this switch is used, a serial data message is sent to the BCM requesting a window motor command, the BCM will then send a serial data message to the appropriate door window switch which will then command that window to move in the direction requested.

Rear Window and Rear Door Lockout Operation (Extended Cab and Crew Cab)

The driver power window switch contains a window lockout switch, when the driver presses the window lockout switch, a serial data message is sent to the BCM which will send a disable command to the rear window motors, the rear window motors will then ignore all voltage drops in the window motor control circuits caused by using the rear window switches. The rear windows will still function normally from the switches on the driver window switch.

Power Sliding Rear Window

NOTE: Power window lockout switch disables left rear and right rear passenger window switches only and has no effect on the operation of the power sliding window switch.

The power sliding rear window motor is controlled from the rear window OPEN/CLOSE switch through OPEN and CLOSE relays. The OPEN/CLOSE switch is supplied voltage from the body control module accessory voltage output circuit. When the switch is pressed in the OPEN or CLOSED position the OPEN or CLOSED relay coil will be supplied accessory voltage and energized through the appropriate relay control circuit. While the OPEN and CLOSE relays are in a de-energized state both motor control circuits will be closed to ground. When one of the relays is energized its motor control circuit will be closed to the battery voltage supply circuit and the other motor control circuit will remain grounded through the de-energized relay.

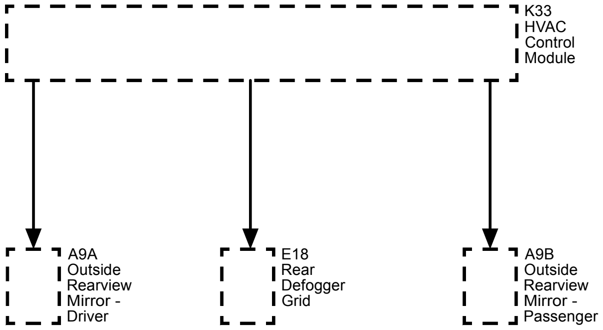
Rear Window Defogger Description and Operation

Rear Window Defogger System Components

The rear window defogger system consists of the following components:

- HVAC control module
- Rear defogger relay
- Rear defogger grid
- 40A fuse

Rear Window Defogger Block Diagram


K33 HVAC Control Module
A9A Outside Rearview Mirror - Driver
E18 Rear Defogger Grid
A9B Outside Rearview Mirror - Passenger

Rear Window Defogger Operation

The rear defog control system utilizes a single zone backlight design, driven with a single relay configuration. Additionally, up to two outside rear view mirrors can be heated if equipped. A switch for the customer to control the system is provided within the HVAC control module, also included in the HVAC control module is an indicator to inform the customer with the current state of the system. The system is only operational when engine is running or during remote start.

Pressing the heated rear window switch on the HVAC control module causes the HVAC control module to provide voltage to the coil side of the rear defogger relay, this will energize the relay causing the relay switch contacts to close allowing B+ voltage to flow through the rear defogger grid control circuit to the rear defogger grid.

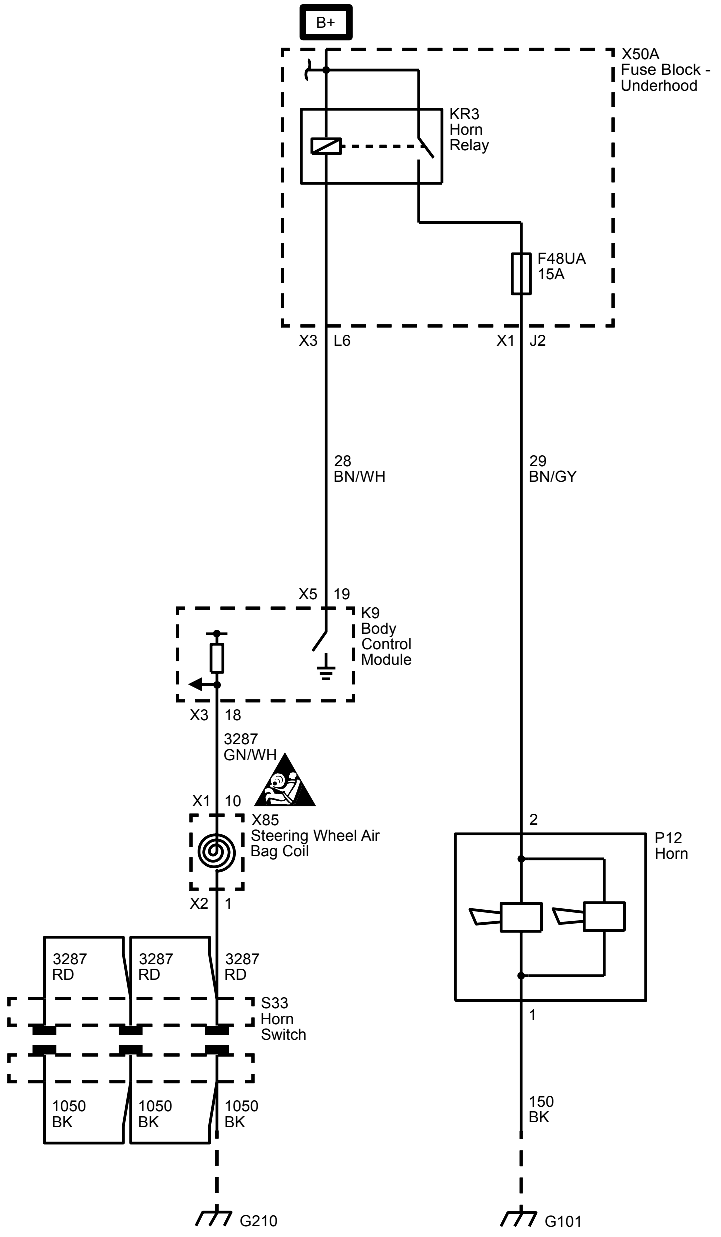
When the rear heated window switch is pressed and the engine is running, the rear defog control system will remain active for 10 minutes. After the initial cycle has lapsed, pressing the switch again will continue rear window defogger operation, but the cycle will only last 5 minutes.

Horns

Schematic and Routing Diagrams

Horn Schematics

Horn


B+
X50A
Fuse Block - Underhood
KR3
Horn
Relay
F48UA
15A
X3 L6
X1 J2
28
BN/WH
29
BN/GY
X5 19
K9
Body
Control
Module
X3 18
3287
GN/WH
X1 10
X85
Steering Wheel Air
Bag Coil
X2 1
2
P12
Horn
1
3287
RD
3287
RD
3287
RD
S33
Horn
Switch
1050
BK
1050
BK
1050
BK
150
BK
G210
G101

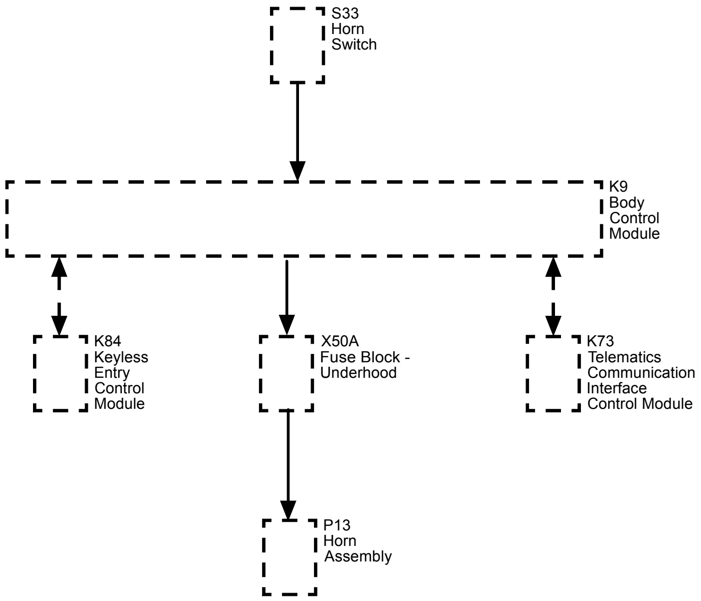
Description and Operation

Horns System Description and Operation

System Description

The horn system consists of the following components:

- HORN fuse
- Horn relay
- Horn switch
- Horn assembly
- Body control module (BCM)



System Operation

The vehicle horn system is activated under the following conditions:

- When the horn switch is depressed
- The BCM commands the horns ON under any of the following conditions:
  - When the content theft deterrent system detects a vehicle intrusion—For further information refer to CELL Link Error - Link target cell (cell ID 149050) is invalid for this publication..
  - When the panic button is depressed on the remote control door lock transmitter—For further information refer to CELL Link Error - Link target cell (cell ID 52297) is invalid for this publication..
  - When the keyless entry system is used to lock the vehicle, a horn chirp may sound to notify the driver that the vehicle has been locked. The notification feature may be enabled or disabled through personalization. For further information refer to CELL Link Error - Link target cell (cell ID 52297) is invalid for this publication..
  - When the OnStar® system is used to sound the horns if equipped—For further information, refer to CELL Link Error - Link target cell (cell ID 149754) is invalid for this publication..

Circuit Operation

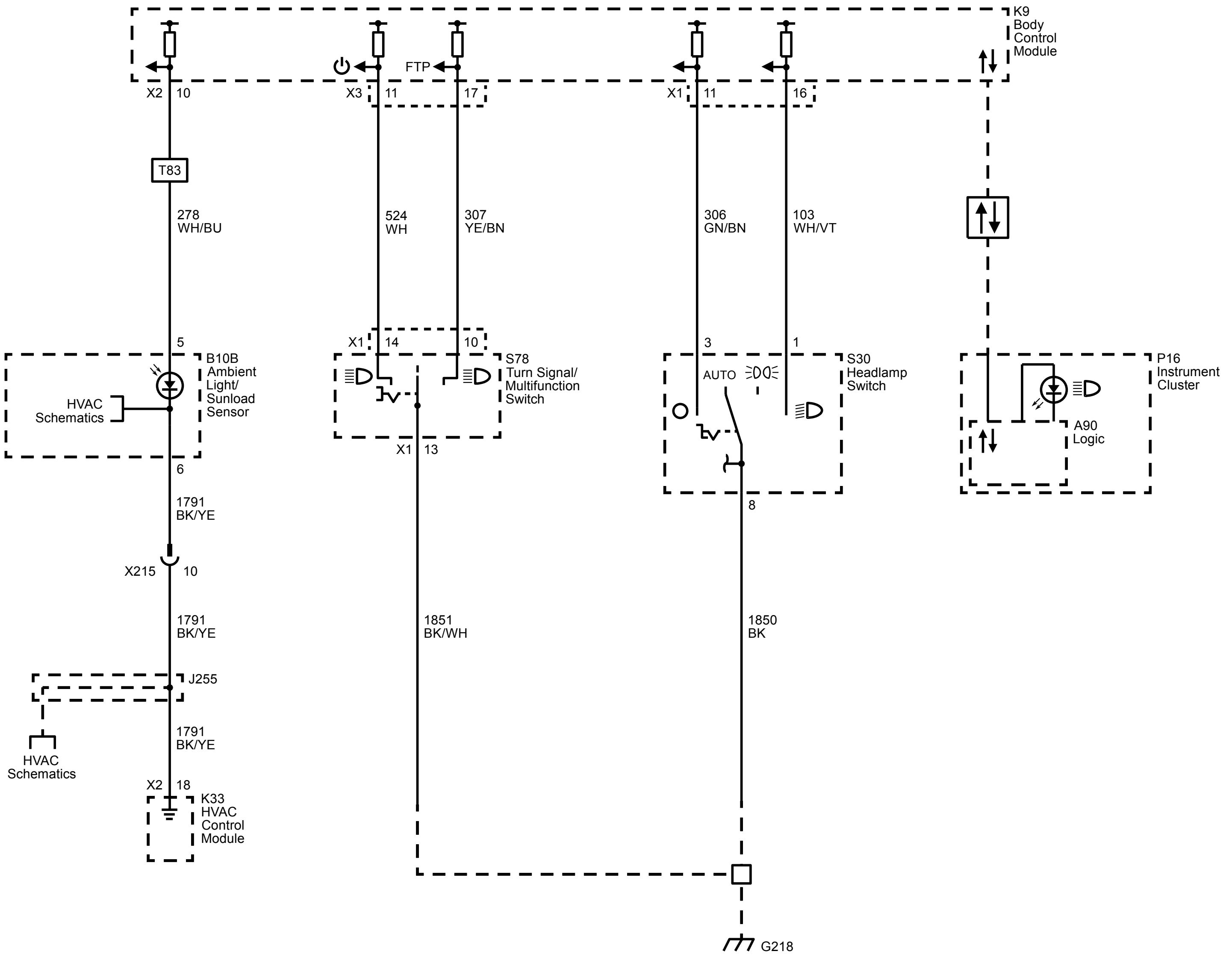
Battery positive voltage is applied at all times to the horn relay coil and the horn relay switch. Pressing either of the horn switches applies ground to the horn relay control circuit. The BCM may also apply ground to the horn relay control circuit as described above. When the horn relay control circuit is grounded, the horn relay is energized and battery positive voltage is applied to the horns through the horn control circuit. The horns sound as long as ground is applied to the horn relay control circuit.

Lighting

Schematic and Routing Diagrams

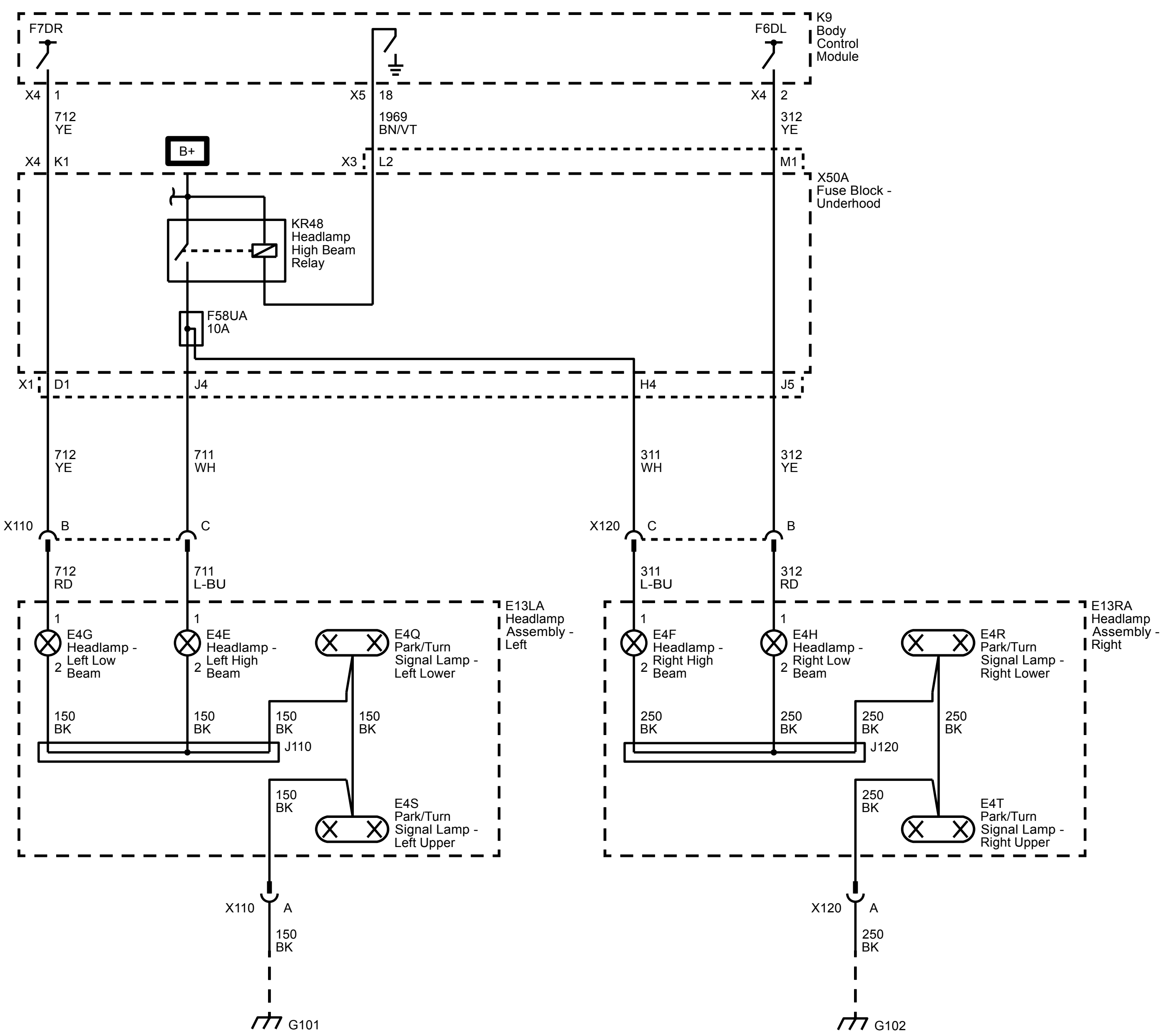
Headlights/Daytime Running Lights (DRL) Schematics

Controls

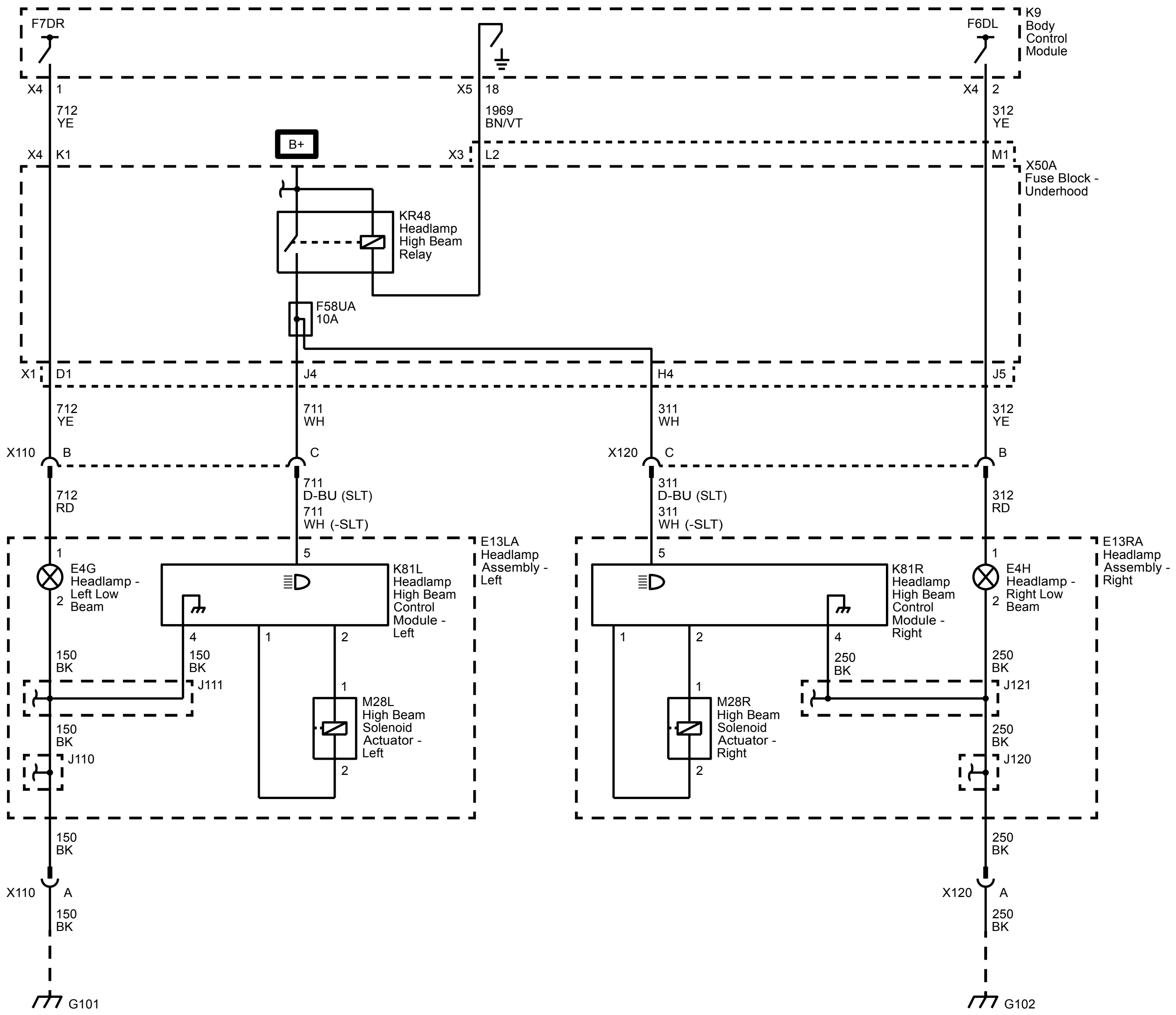


K9 Body Control Module
X2 10
X3 11
FTP
17
X1 11
16
T83
278 WH/BU
524 WH
307 YE/BN
306 GN/BN
103 WH/VT
5
B10B Ambient Light/ Sunload Sensor
HVAC Schematics
6
1791 BK/YE
X215 10
1791 BK/YE
J255
HVAC Schematics
1791 BK/YE
X2 18
K33 HVAC Control Module
X1 14
10
S78 Turn Signal/ Multifunction Switch
X1 13
1851 BK/WH
3
1
S30 Headlamp Switch
AUTO
8
1850 BK
G218
P16 Instrument Cluster
A90 Logic

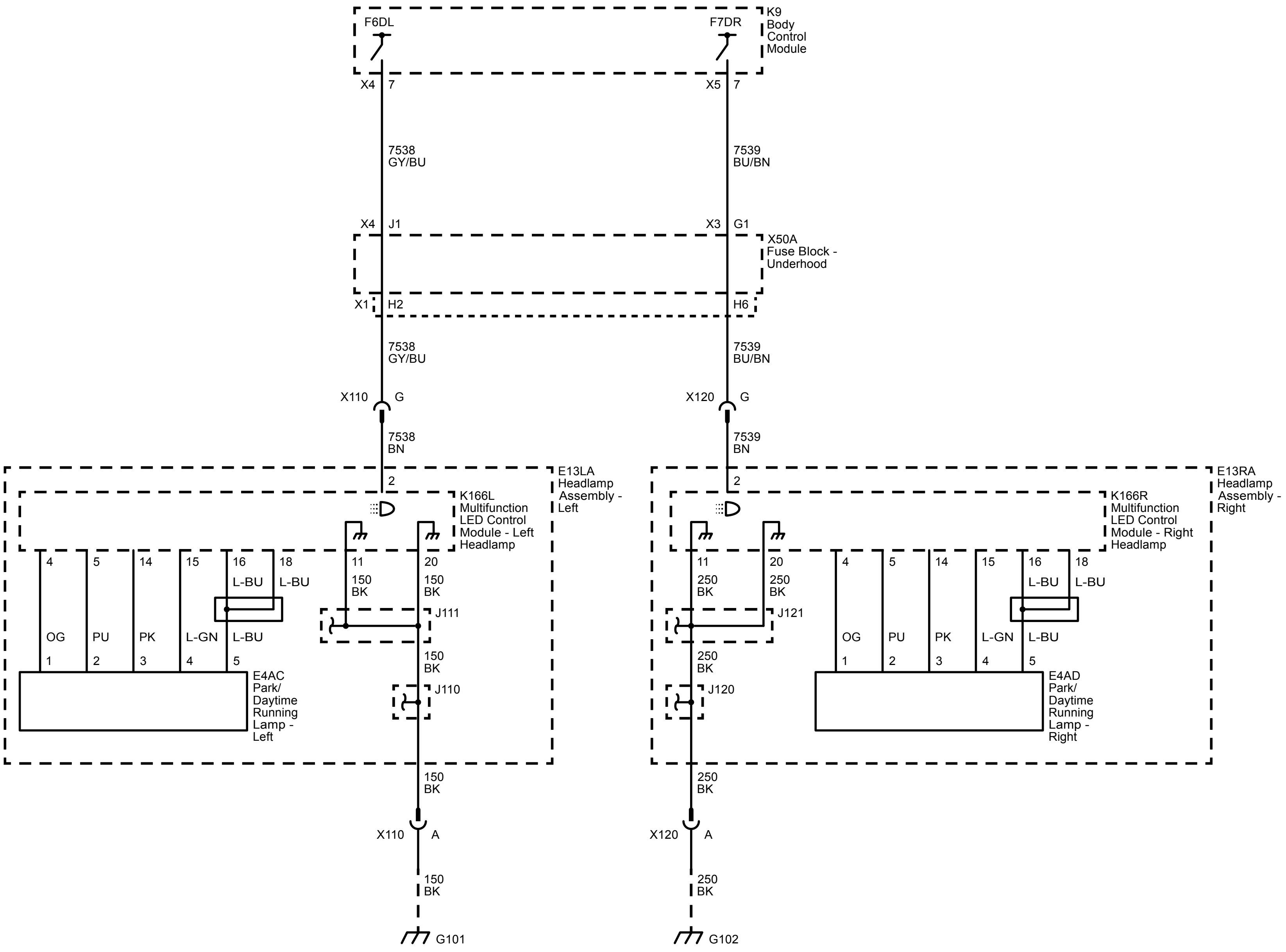
Headlamps (Chevrolet/X88)


F7DR
F6DL
K9
Body
Control
Module
X4 1
X5 18
X4 2
712
YE
1969
BN/VT
312
YE
B+
X4 K1
X3 L2
M1
X50A
Fuse Block -
Underhood
KR48
Headlamp
High Beam
Relay
F58UA
10A
X1 D1
J4
H4
J5
712
YE
711
WH
311
WH
312
YE
X110 B
C
X120 C
B
712
RD
711
L-BU
311
L-BU
312
RD
E13LA
Headlamp
Assembly -
Left
1
E4G
Headlamp -
Left Low
Beam
2
1
E4E
Headlamp -
Left High
Beam
2
E4Q
Park/Turn
Signal Lamp -
Left Lower
150
BK
150
BK
150
BK
150
BK
J110
150
BK
E4S
Park/Turn
Signal Lamp -
Left Upper
E13RA
Headlamp
Assembly -
Right
1
E4F
Headlamp -
Right High
Beam
2
1
E4H
Headlamp -
Right Low
Beam
2
E4R
Park/Turn
Signal Lamp -
Right Lower
250
BK
250
BK
250
BK
250
BK
J120
250
BK
E4T
Park/Turn
Signal Lamp -
Right Upper
X110 A
150
BK
G101
X120 A
250
BK
G102

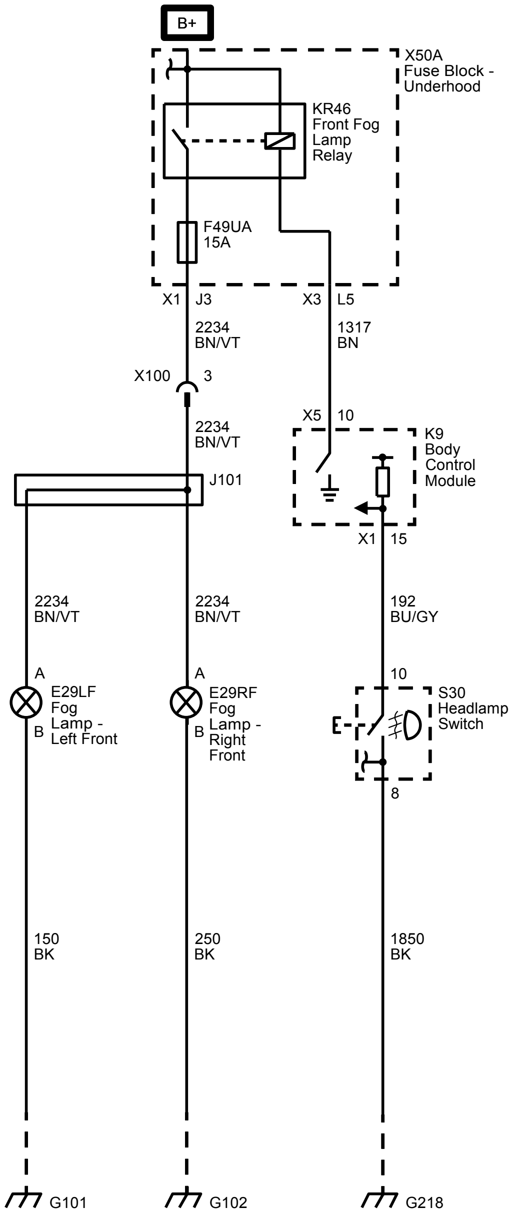
Headlamps (GMC/Z88)


F7DR
F6DL
K9 Body Control Module
X4 1
X5 18
X4 2
712 YE
1969 BN/VT
312 YE
B+
X4 K1
X3 L2
M1
X50A Fuse Block - Underhood
KR48 Headlamp High Beam Relay
F58UA 10A
X1 D1
J4
H4
J5
712 YE
711 WH
311 WH
312 YE
X110 B
C
X120 C
B
712 RD
711 D-BU (SLT)
711 WH (-SLT)
311 D-BU (SLT)
311 WH (-SLT)
312 RD
E13LA Headlamp Assembly - Left
E13RA Headlamp Assembly - Right
1
E4G Headlamp - Left Low Beam
2
5
K81L Headlamp High Beam Control Module - Left
4
1
2
150 BK
150 BK
J111
150 BK
J110
1
M28L High Beam Solenoid Actuator - Left
2
5
K81R Headlamp High Beam Control Module - Right
1
2
4
250 BK
1
M28R High Beam Solenoid Actuator - Right
2
1
E4H Headlamp - Right Low Beam
2
250 BK
J121
250 BK
J120
150 BK
X110 A
150 BK
G101
250 BK
X120 A
250 BK
G102

Daytime Running Lamps (GMC/Z88 with SLT)

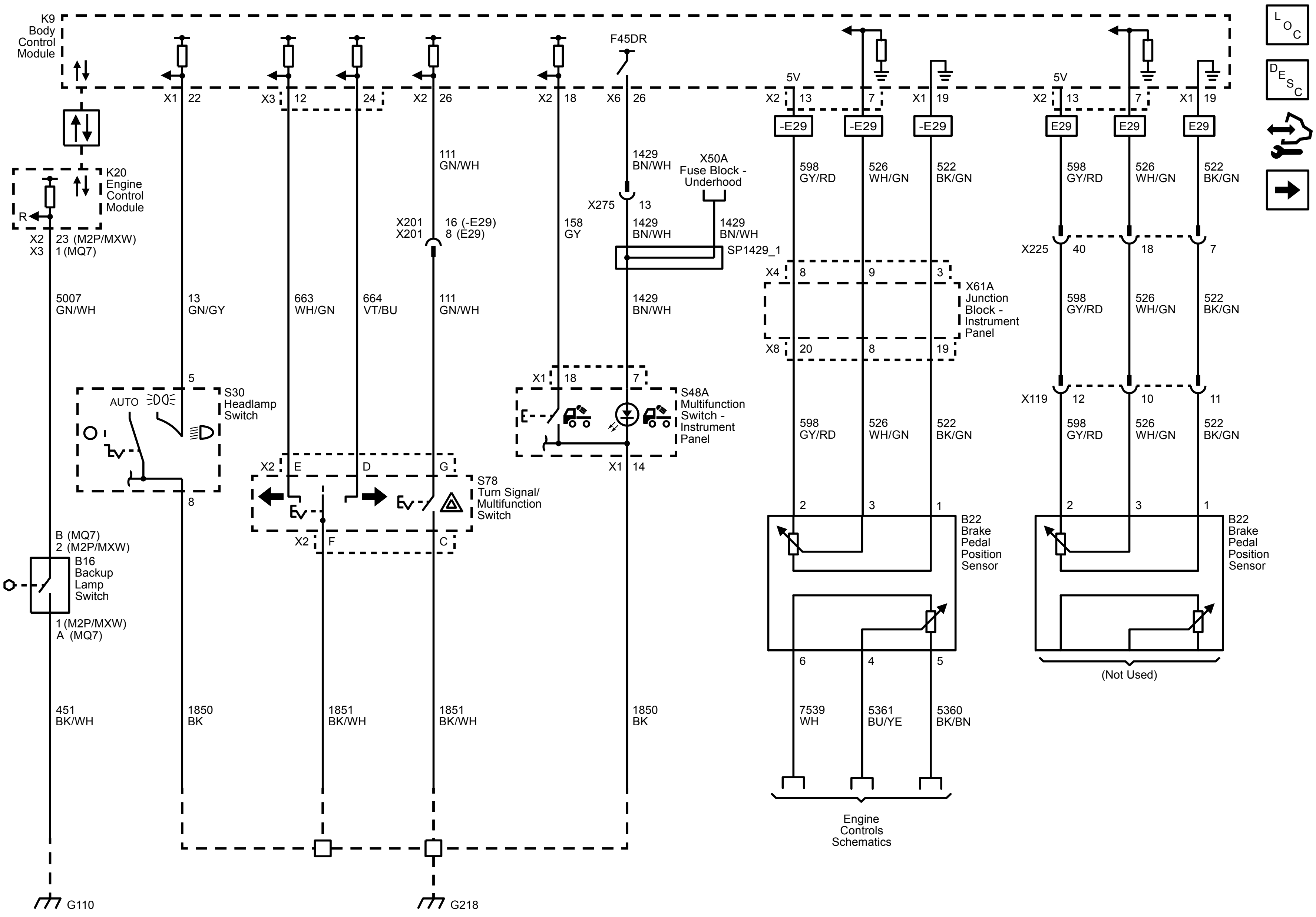

F6DL
F7DR
K9
Body
Control
Module
X4 7
X5 7
7538
GY/BU
7539
BU/BN
X4 J1
X3 G1
X50A
Fuse Block -
Underhood
X1 H2
H6
7538
GY/BU
7539
BU/BN
X110 G
X120 G
7538
BN
7539
BN
E13LA
Headlamp
Assembly -
Left
2
K166L
Multifunction
LED Control
Module - Left
Headlamp
4 5 14 15 16 18 11 20
L-BU L-BU
150
BK
150
BK
J111
OG PU PK L-GN L-BU
1 2 3 4 5
E4AC
Park/
Daytime
Running
Lamp -
Left
150
BK
J110
150
BK
X110 A
150
BK
G101
E13RA
Headlamp
Assembly -
Right
2
K166R
Multifunction
LED Control
Module - Right
Headlamp
11 20 4 5 14 15 16 18
250
BK
250
BK
J121
L-BU L-BU
OG PU PK L-GN L-BU
1 2 3 4 5
250
BK
J120
E4AD
Park/
Daytime
Running
Lamp -
Right
250
BK
X120 A
250
BK
G102

Fog Lamps (T3U)

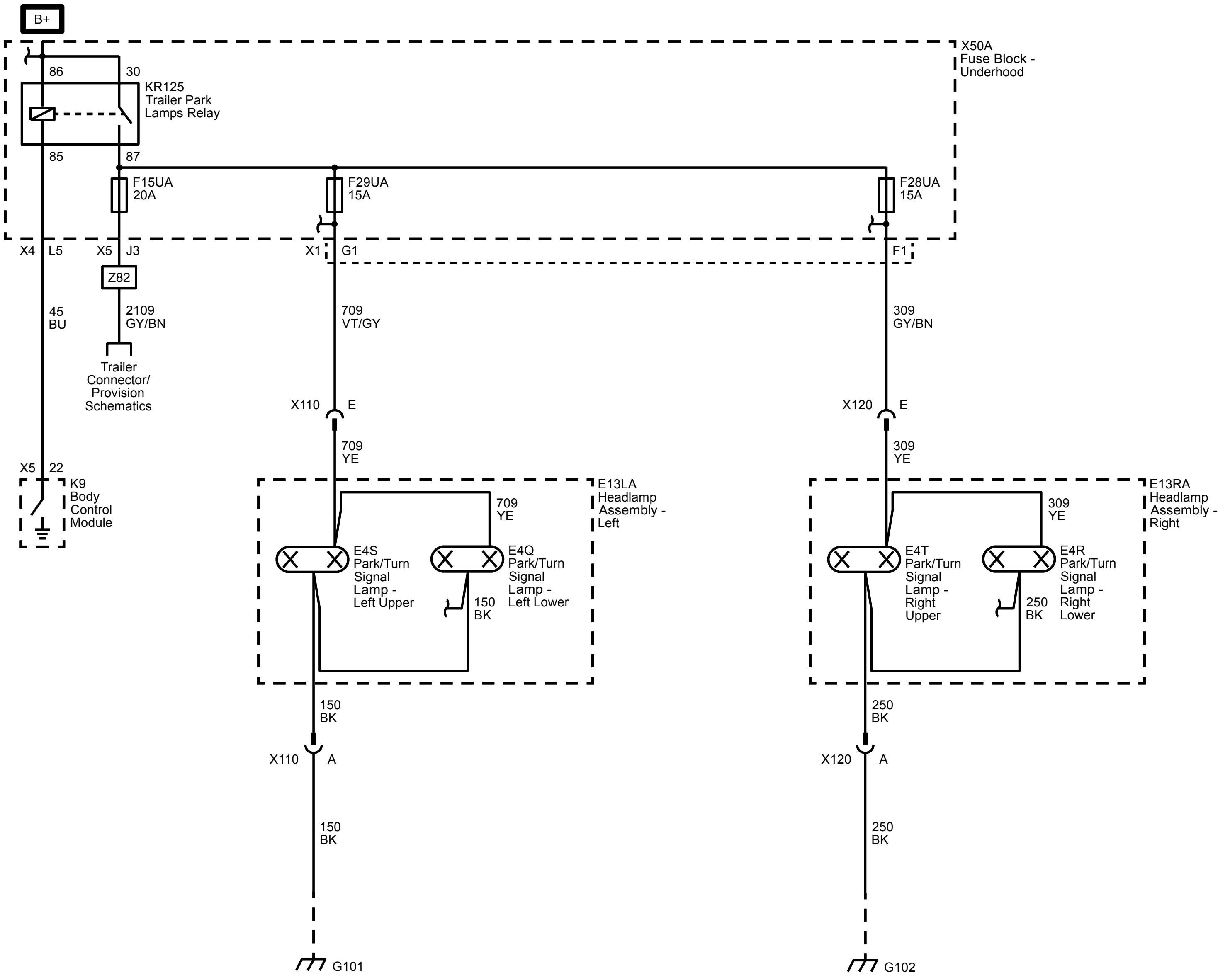

B+
X50A
Fuse Block -
Underhood
KR46
Front Fog
Lamp
Relay
F49UA
15A
X1
J3
X3
L5
2234
BN/VT
1317
BN
X100
3
2234
BN/VT
X5
10
K9
Body
Control
Module
J101
X1
15
2234
BN/VT
2234
BN/VT
192
BU/GY
A
E29LF
Fog
Lamp -
Left Front
B
A
E29RF
Fog
Lamp -
Right
Front
B
10
S30
Headlamp
Switch
8
150
BK
250
BK
1850
BK
G101
G102
G218

Exterior Lights Schematics

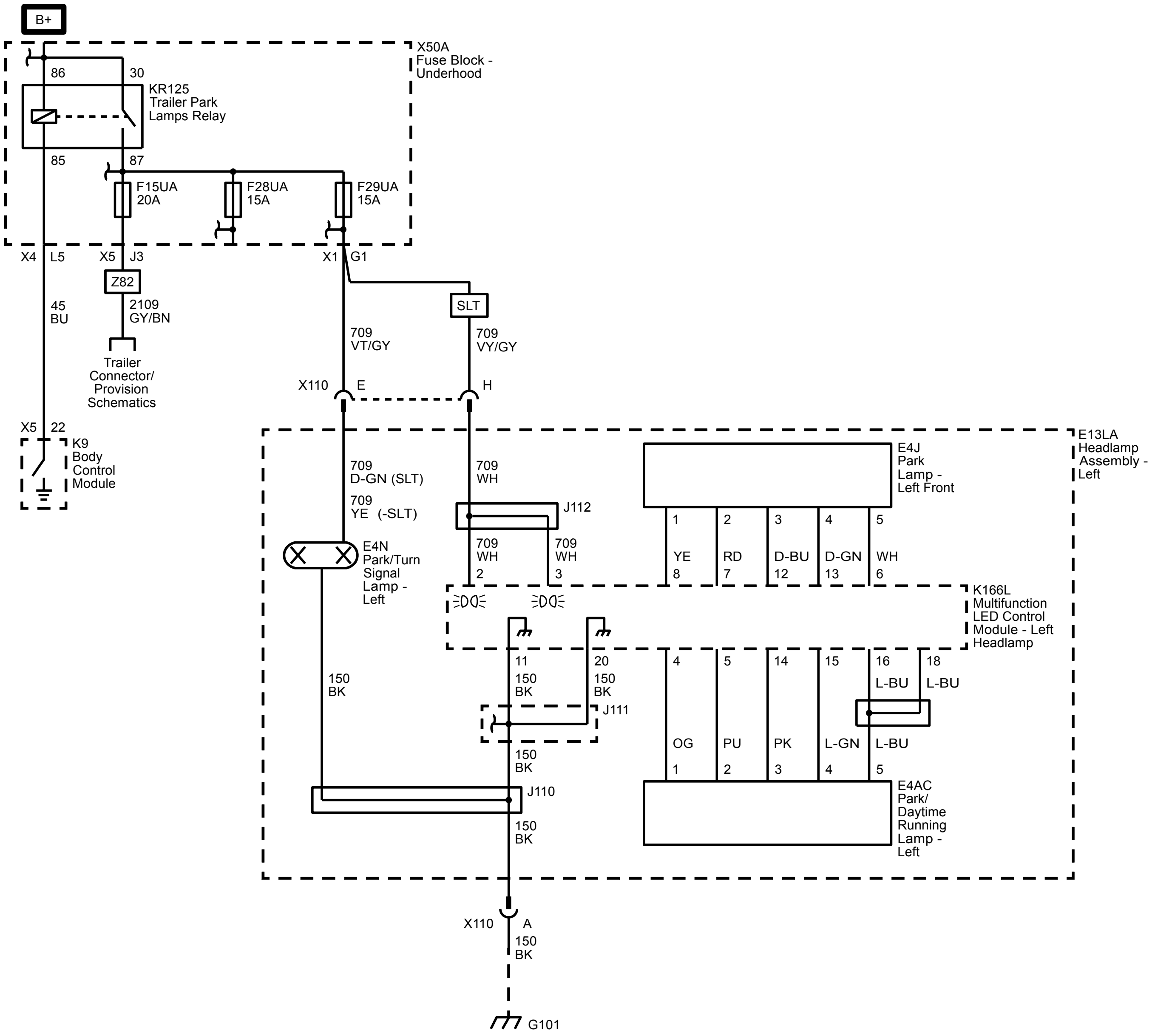
Controls



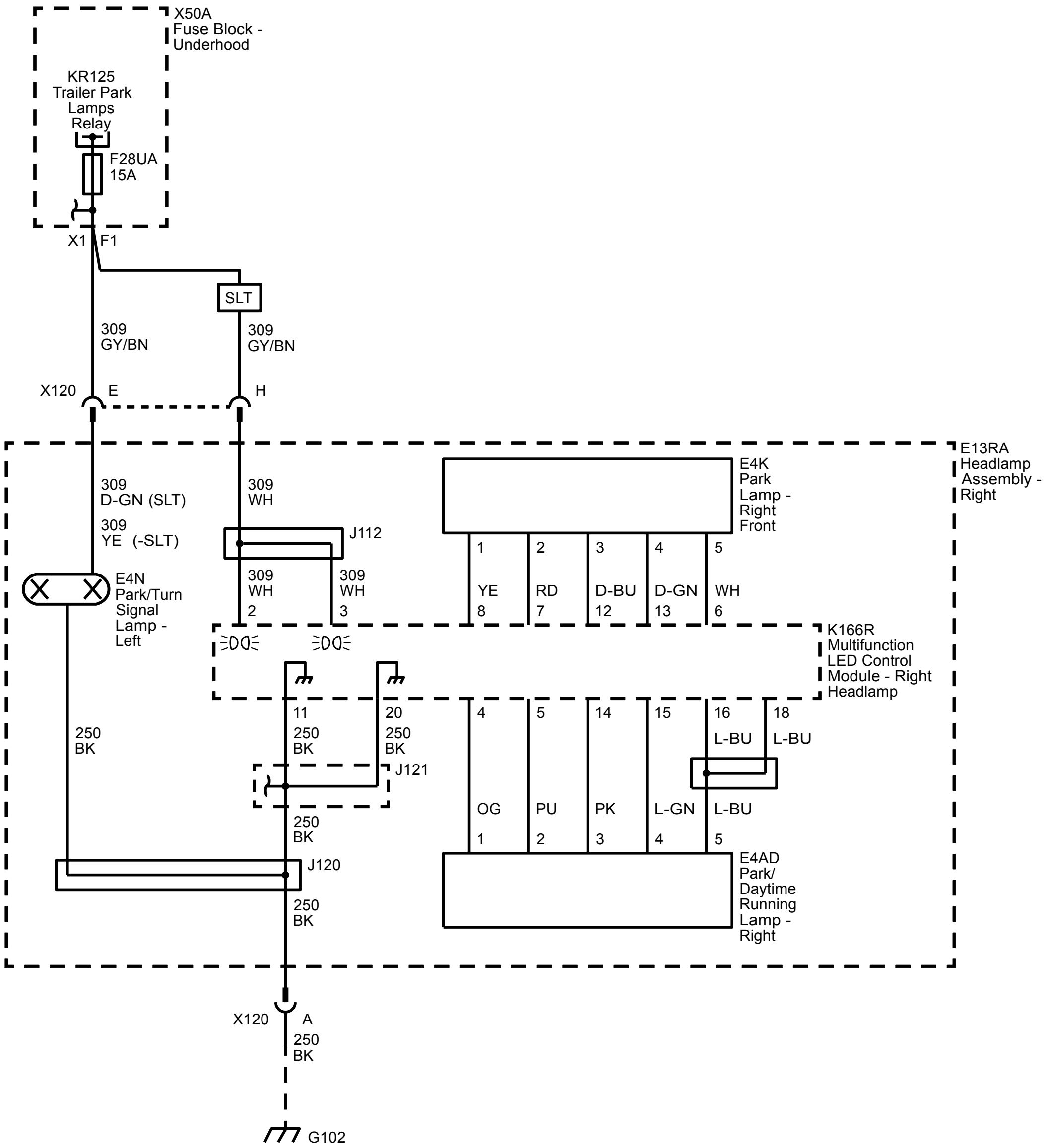
K9 Body Control Module
X1 22
X3 12
24
X2 26
X2 18
F45DR
X6 26
5V
X2 13
7
X1 19
-E29
E29
K20 Engine Control Module
R
X2 23 (M2P/MXW)
X3 1 (MQ7)
111 GN/WH
1429 BN/WH
X50A Fuse Block - Underhood
X275 13
X201 16 (-E29)
X201 8 (E29)
158 GY
1429 BN/WH
1429 BN/WH
SP1429_1
X225 40 18 7
X4 8 9 3
X61A Junction Block - Instrument Panel
X8 20 8 19
5007 GN/WH
13 GN/GY
663 WH/GN
664 VT/BU
111 GN/WH
1429 BN/WH
598 GY/RD
526 WH/GN
522 BK/GN
X1 18
7
S48A Multifunction Switch - Instrument Panel
X1 14
5
S30 Headlamp Switch
AUTO
8
X2 E D G
S78 Turn Signal/ Multifunction Switch
X2 F C
X119 12 10 11
B (MQ7)
2 (M2P/MXW)
B16 Backup Lamp Switch
1 (M2P/MXW)
A (MQ7)
2 3 1
B22 Brake Pedal Position Sensor
6 4 5
(Not Used)
451 BK/WH
1850 BK
1851 BK/WH
1851 BK/WH
1850 BK
7539 WH
5361 BU/YE
5360 BK/BN
Engine Controls Schematics
G110
G218
L O C
D E S C


B+
X50A
Fuse Block -
Underhood
86
30
KR125
Trailer Park
Lamps Relay
85
87
F15UA
20A
F29UA
15A
F28UA
15A
X4
L5
X5
J3
X1
G1
F1
Z82
45
BU
2109
GY/BN
Trailer
Connector/
Provision
Schematics
709
VT/GY
309
GY/BN
X110
E
X120
E
709
YE
309
YE
X5
22
K9
Body
Control
Module
E13LA
Headlamp
Assembly -
Left
709
YE
E4S
Park/Turn
Signal
Lamp -
Left Upper
E4Q
Park/Turn
Signal
Lamp -
Left Lower
150
BK
E13RA
Headlamp
Assembly -
Right
309
YE
E4T
Park/Turn
Signal
Lamp -
Right
Upper
E4R
Park/Turn
Signal
Lamp -
Right
Lower
250
BK
150
BK
X110
A
150
BK
G101
250
BK
X120
A
250
BK
G102

Park Lamps - Left (GMC/Z88)

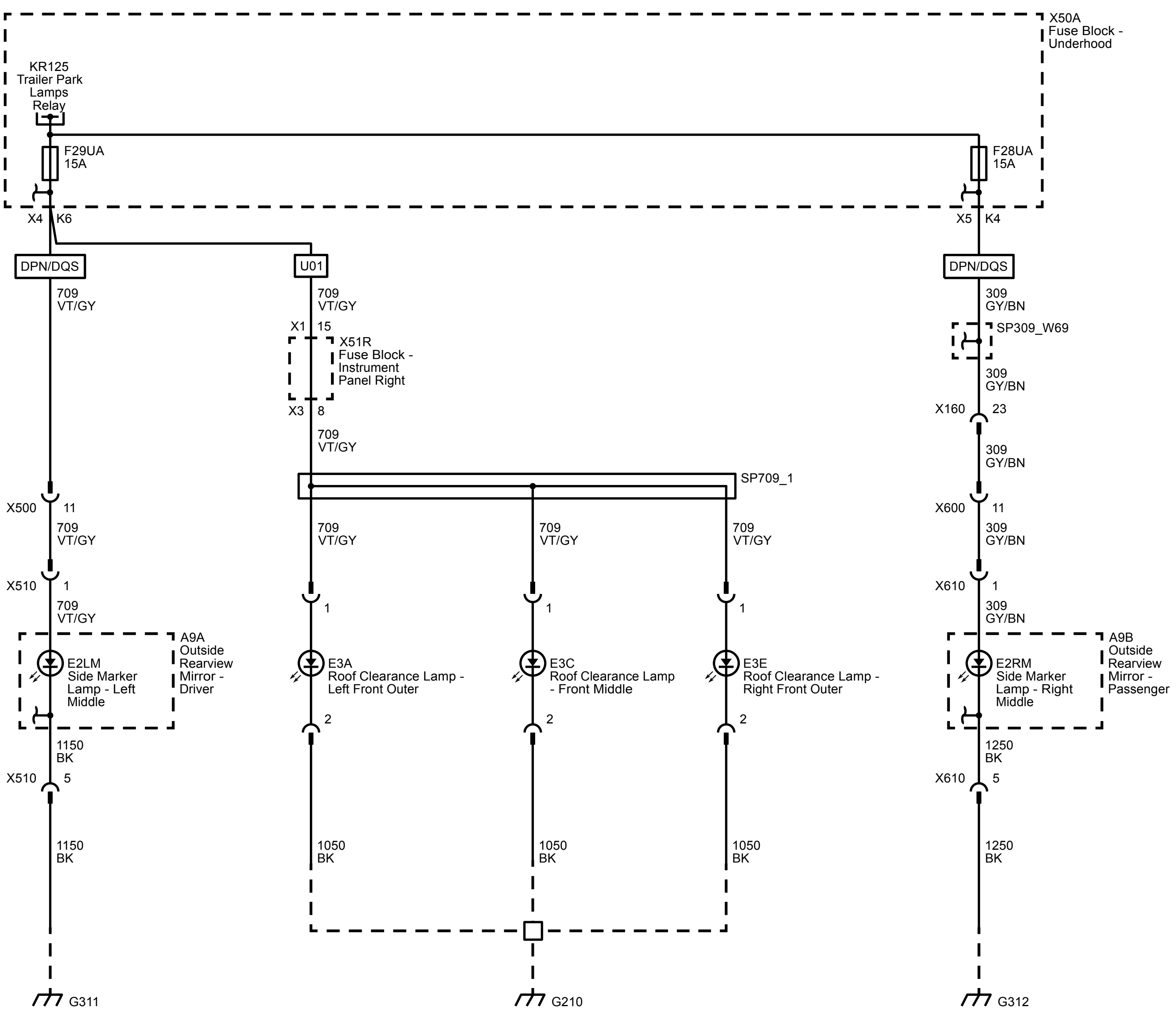

B+
X50A
Fuse Block -
Underhood
86
30
KR125
Trailer Park
Lamps Relay
85
87
F15UA
20A
F28UA
15A
F29UA
15A
X4
L5
X5
J3
X1
G1
Z82
SLT
45
BU
2109
GY/BN
Trailer
Connector/
Provision
Schematics
709
VT/GY
709
VY/GY
X110
E
H
X5
22
K9
Body
Control
Module
E13LA
Headlamp
Assembly -
Left
E4J
Park
Lamp -
Left Front
709
D-GN (SLT)
709
YE (-SLT)
709
WH
J112
E4N
Park/Turn
Signal
Lamp -
Left
709
WH
2
709
WH
3
1
YE
8
2
RD
7
3
D-BU
12
4
D-GN
13
5
WH
6
K166L
Multifunction
LED Control
Module - Left
Headlamp
11
150
BK
20
150
BK
4
5
14
15
16
L-BU
18
L-BU
J111
150
BK
OG
1
PU
2
PK
3
L-GN
4
L-BU
5
E4AC
Park/
Daytime
Running
Lamp -
Left
J110
150
BK
150
BK
X110
A
150
BK
G101

Park Lamps - Right (GMC/Z88)

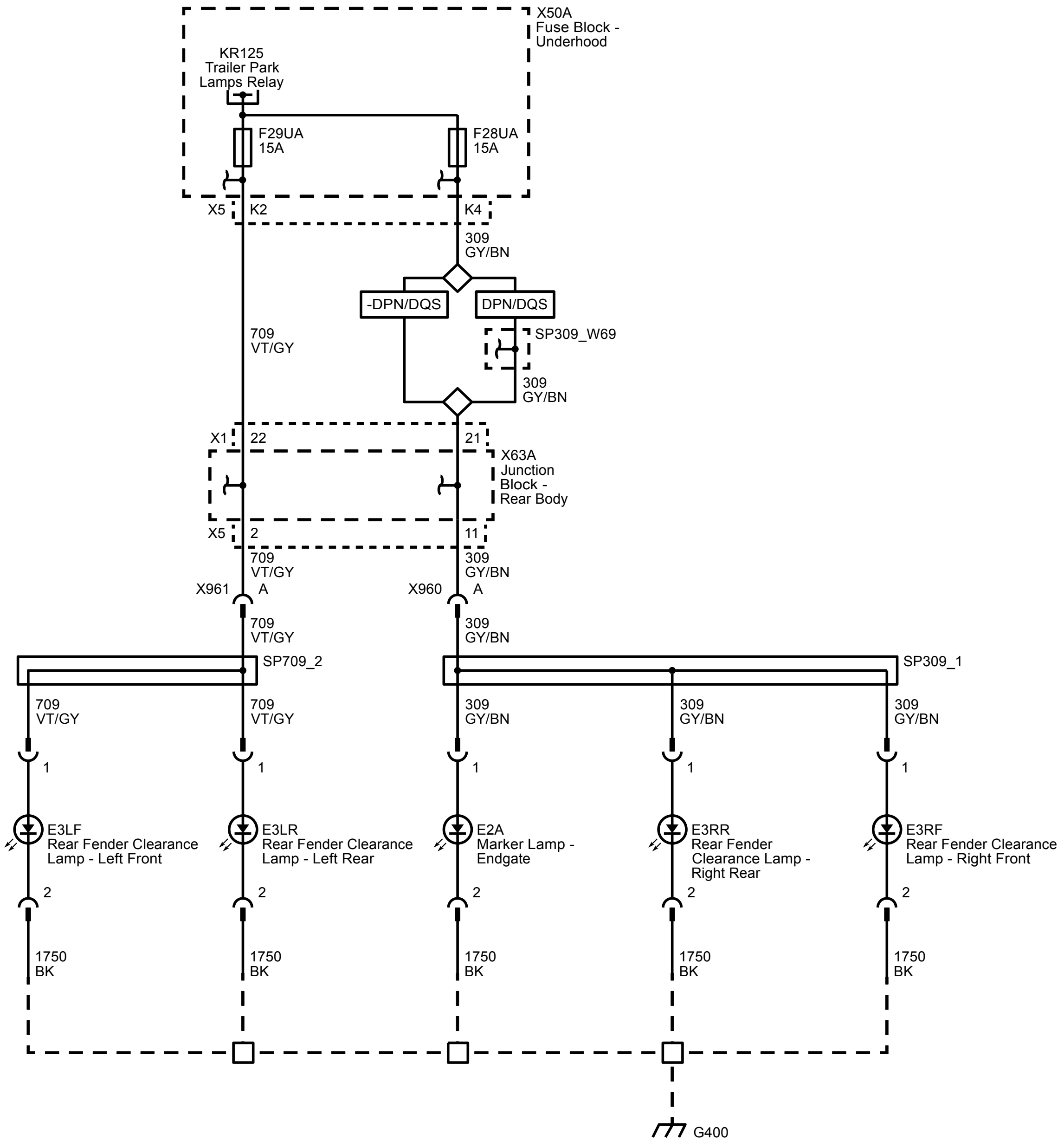


X50A Fuse Block - Underhood
KR125 Trailer Park Lamps Relay
F28UA 15A
X1
F1
SLT
309 GY/BN
309 GY/BN
X120
E
H
309 D-GN (SLT)
309 YE (-SLT)
309 WH
J112
309 WH 2
309 WH 3
E4N Park/Turn Signal Lamp - Left
250 BK
E13RA Headlamp Assembly - Right
E4K Park Lamp - Right Front
1 2 3 4 5
YE 8
RD 7
D-BU 12
D-GN 13
WH 6
K166R Multifunction LED Control Module - Right Headlamp
11 250 BK
20 250 BK
J121
250 BK
J120
250 BK
4 5 14 15 16 18
L-BU
L-BU
OG 1
PU 2
PK 3
L-GN 4
L-BU 5
E4AD Park/ Daytime Running Lamp - Right
X120
A
250 BK
G102

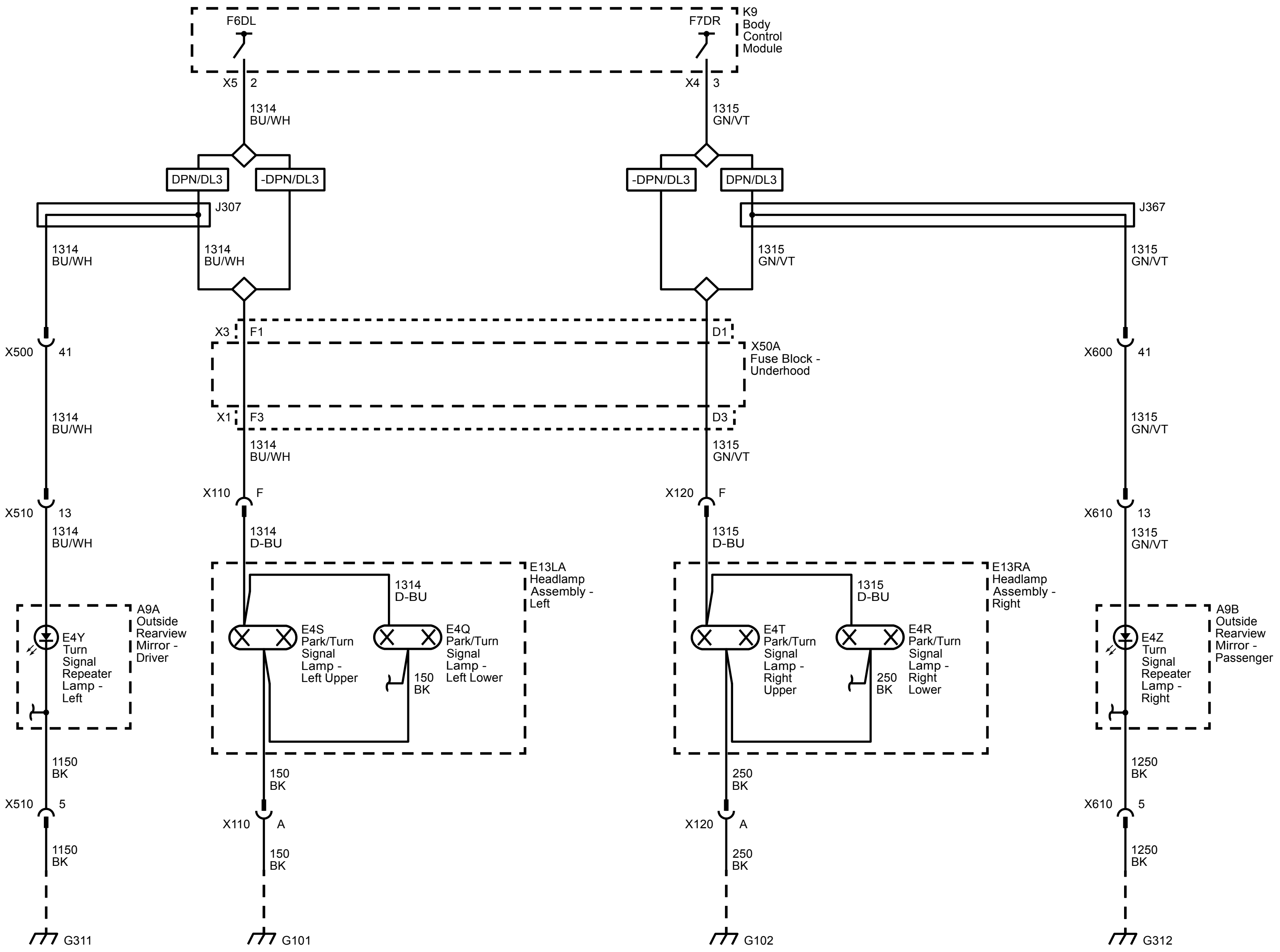
Park Lamps - Mirror (DPN or DQS) and Roof (U01)


X50A
Fuse Block -
Underhood
KR125
Trailer Park
Lamps
Relay
F29UA
15A
F28UA
15A
X4
K6
X5
K4
DPN/DQS
U01
DPN/DQS
709
VT/GY
709
VT/GY
309
GY/BN
X1
15
X51R
Fuse Block -
Instrument
Panel Right
SP309_W69
X3
8
309
GY/BN
X160
23
709
VT/GY
309
GY/BN
SP709_1
X500
11
X600
11
709
VT/GY
709
VT/GY
709
VT/GY
709
VT/GY
309
GY/BN
X510
1
X610
1
1
1
1
709
VT/GY
309
GY/BN
A9A
Outside
Rearview
Mirror -
Driver
E2LM
Side Marker
Lamp - Left
Middle
E3A
Roof Clearance Lamp -
Left Front Outer
E3C
Roof Clearance Lamp
- Front Middle
E3E
Roof Clearance Lamp -
Right Front Outer
E2RM
Side Marker
Lamp - Right
Middle
A9B
Outside
Rearview
Mirror -
Passenger
2
2
2
1150
BK
1250
BK
X510
5
X610
5
1150
BK
1050
BK
1050
BK
1050
BK
1250
BK
G311
G210
G312

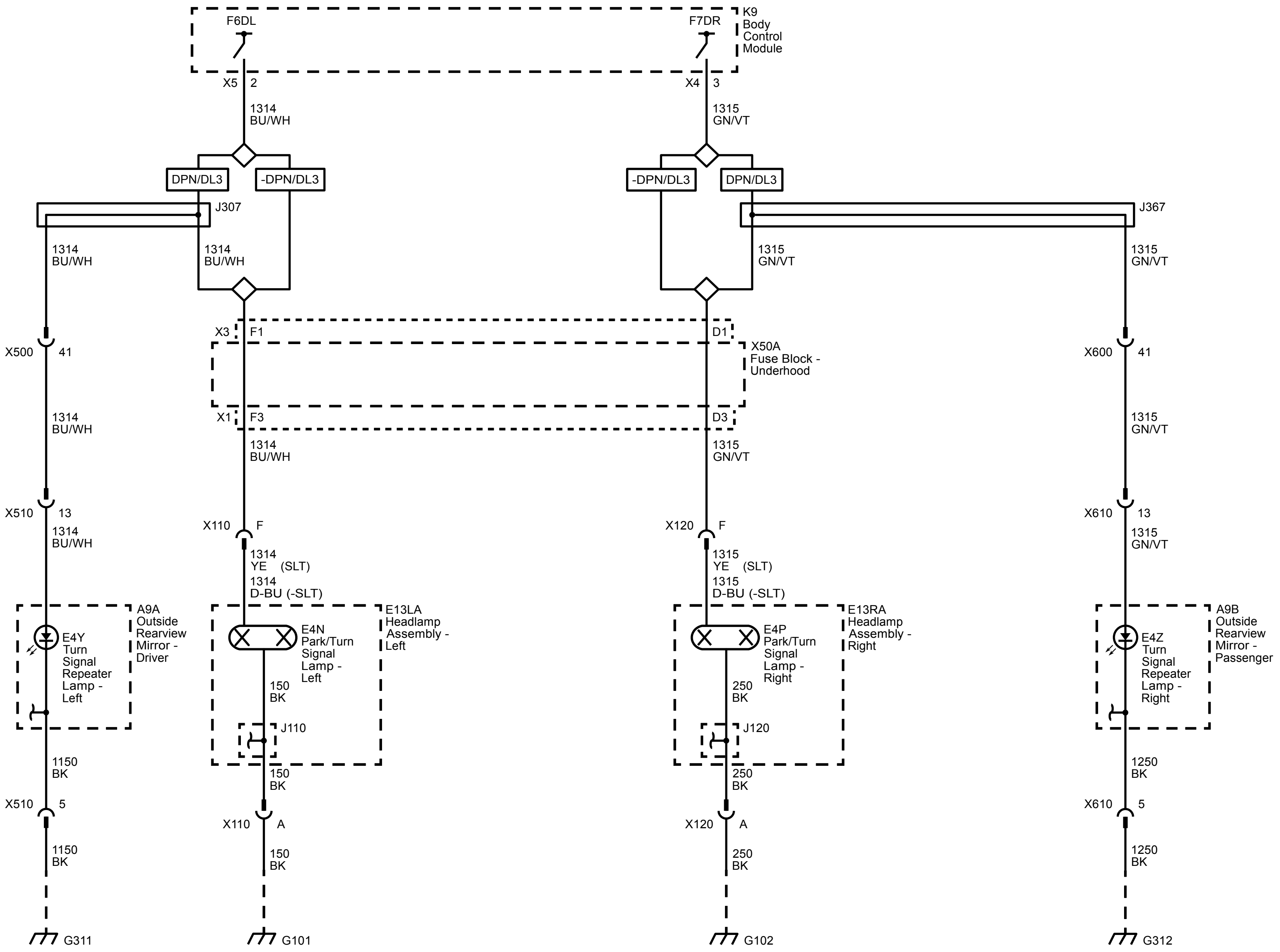
Park Lamps - Rear Clearance (DRW)


X50A
Fuse Block - Underhood
KR125
Trailer Park Lamps Relay
F29UA
15A
F28UA
15A
X5
K2
K4
309
GY/BN
-DPN/DQS
DPN/DQS
SP309_W69
709
VT/GY
309
GY/BN
X1
22
21
X63A
Junction Block - Rear Body
X5
2
11
709
VT/GY
309
GY/BN
X961
A
X960
A
709
VT/GY
309
GY/BN
SP709_2
SP309_1
709
VT/GY
709
VT/GY
309
GY/BN
309
GY/BN
309
GY/BN
1
1
1
1
1
E3LF
Rear Fender Clearance Lamp - Left Front
E3LR
Rear Fender Clearance Lamp - Left Rear
E2A
Marker Lamp - Endgate
E3RR
Rear Fender Clearance Lamp - Right Rear
E3RF
Rear Fender Clearance Lamp - Right Front
2
2
2
2
2
1750
BK
1750
BK
1750
BK
1750
BK
1750
BK
G400

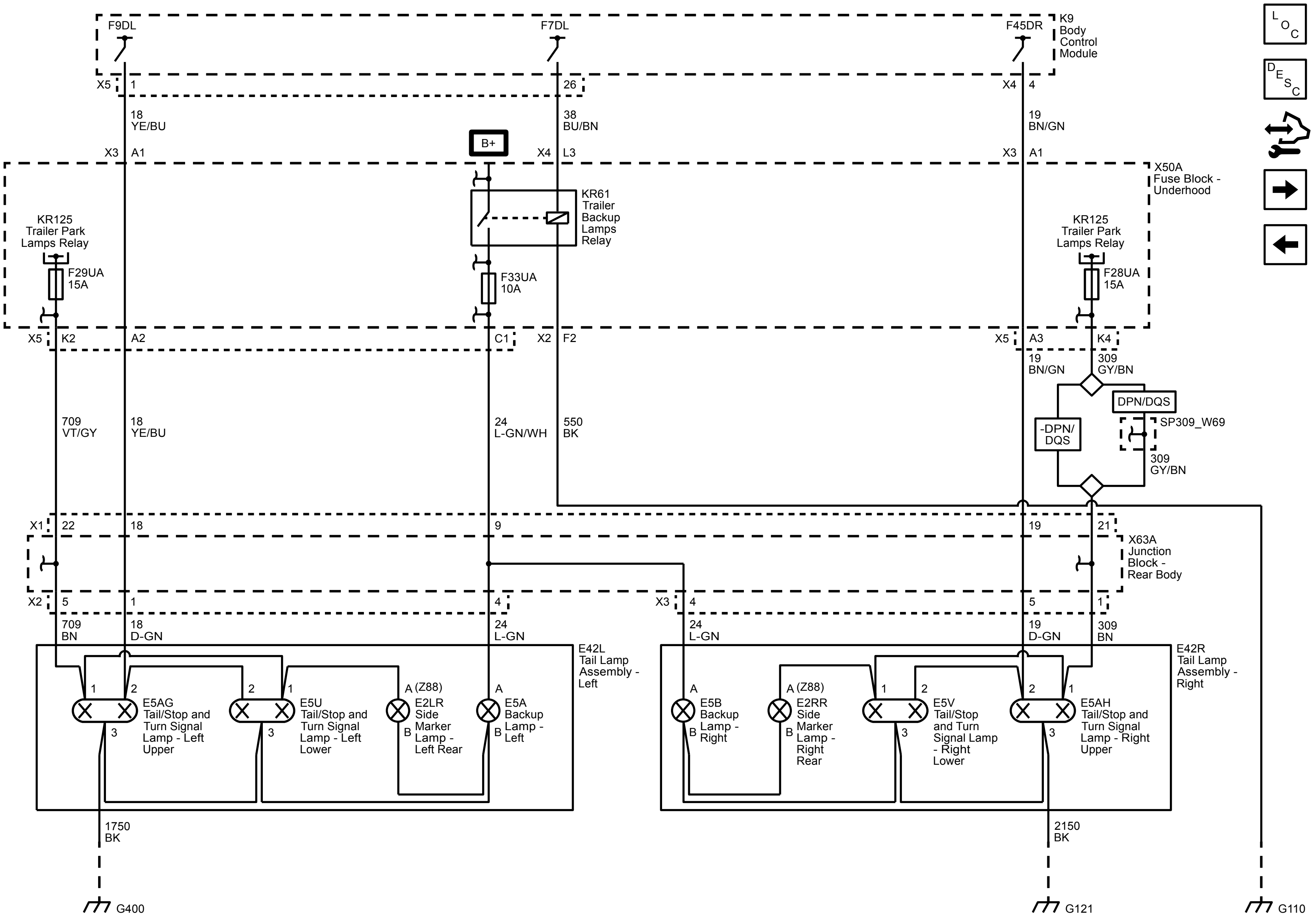
Turn Signal Lamps - Front (Chevrolet/X88)


F6DL
F7DR
K9
Body
Control
Module
X5
2
X4
3
1314
BU/WH
1315
GN/VT
DPN/DL3
-DPN/DL3
-DPN/DL3
DPN/DL3
J307
J367
1314
BU/WH
1314
BU/WH
1315
GN/VT
1315
GN/VT
X3
F1
D1
X50A
Fuse Block -
Underhood
X500
41
X600
41
1314
BU/WH
1315
GN/VT
X1
F3
D3
1314
BU/WH
1315
GN/VT
X110
F
X120
F
X510
13
X610
13
1314
BU/WH
1314
D-BU
1315
D-BU
1315
GN/VT
E13LA
Headlamp
Assembly -
Left
1314
D-BU
E13RA
Headlamp
Assembly -
Right
1315
D-BU
A9A
Outside
Rearview
Mirror -
Driver
E4Y
Turn
Signal
Repeater
Lamp -
Left
E4S
Park/Turn
Signal
Lamp -
Left Upper
E4Q
Park/Turn
Signal
Lamp -
Left Lower
150
BK
E4T
Park/Turn
Signal
Lamp -
Right
Upper
E4R
Park/Turn
Signal
Lamp -
Right
Lower
250
BK
A9B
Outside
Rearview
Mirror -
Passenger
E4Z
Turn
Signal
Repeater
Lamp -
Right
1150
BK
150
BK
250
BK
1250
BK
X510
5
X110
A
X120
A
X610
5
1150
BK
150
BK
250
BK
1250
BK
G311
G101
G102
G312

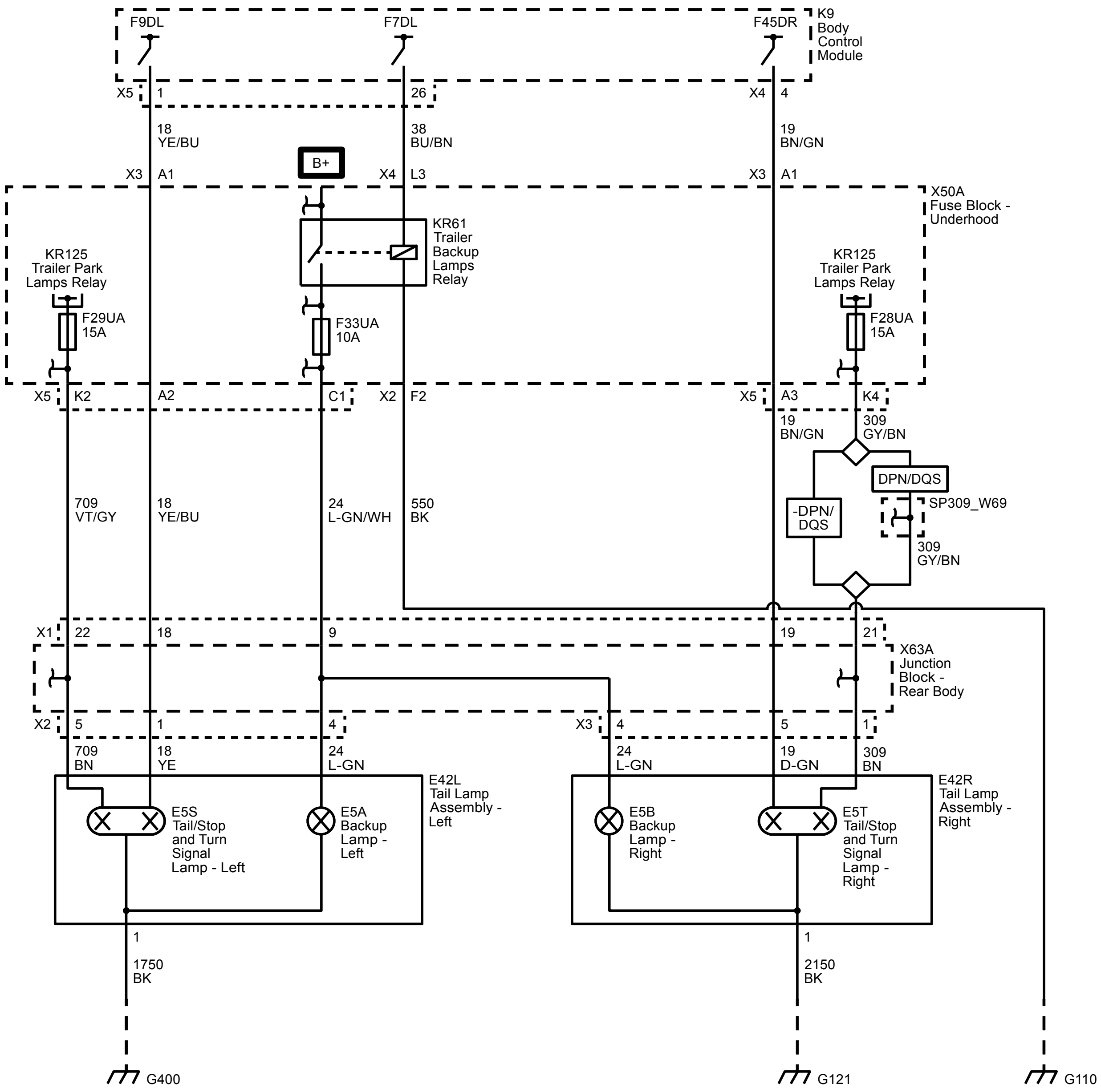
Turn Signal Lamps - Front (GMC/Z88)


F6DL
F7DR
K9
Body
Control
Module
X5 2
X4 3
1314
BU/WH
1315
GN/VT
DPN/DL3
-DPN/DL3
-DPN/DL3
DPN/DL3
J307
J367
1314
BU/WH
1314
BU/WH
1315
GN/VT
1315
GN/VT
X3 F1
D1
X50A
Fuse Block -
Underhood
X500 41
X600 41
1314
BU/WH
1315
GN/VT
X1 F3
D3
1314
BU/WH
1315
GN/VT
X510 13
1314
BU/WH
X110 F
X120 F
X610 13
1315
GN/VT
1314
YE (SLT)
1314
D-BU (-SLT)
1315
YE (SLT)
1315
D-BU (-SLT)
A9A
Outside
Rearview
Mirror -
Driver
E4Y
Turn
Signal
Repeater
Lamp -
Left
E13LA
Headlamp
Assembly -
Left
E4N
Park/Turn
Signal
Lamp -
Left
150
BK
J110
E13RA
Headlamp
Assembly -
Right
E4P
Park/Turn
Signal
Lamp -
Right
250
BK
J120
A9B
Outside
Rearview
Mirror -
Passenger
E4Z
Turn
Signal
Repeater
Lamp -
Right
1150
BK
150
BK
250
BK
1250
BK
X510 5
X110 A
X120 A
X610 5
1150
BK
150
BK
250
BK
1250
BK
G311
G101
G102
G312

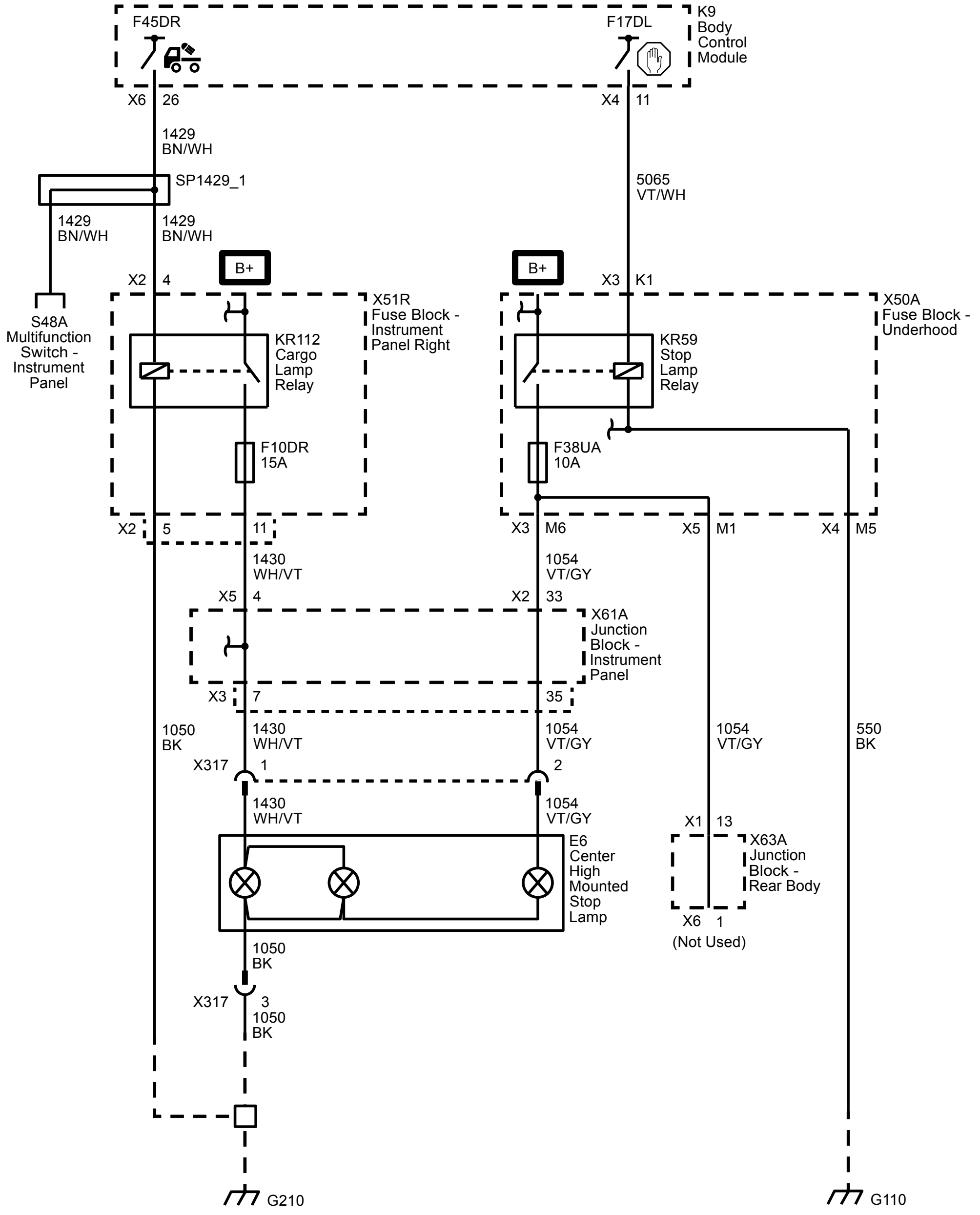
Tail Lamps (without ZW9)


F9DL
F7DL
F45DR
K9 Body Control Module
X5 1
26
X4 4
18 YE/BU
38 BU/BN
19 BN/GN
B+
X3 A1
X4 L3
X3 A1
X50A Fuse Block - Underhood
KR61 Trailer Backup Lamps Relay
KR125 Trailer Park Lamps Relay
F29UA 15A
F33UA 10A
KR125 Trailer Park Lamps Relay
F28UA 15A
X5 K2
A2
C1
X2 F2
X5 A3
K4
709 VT/GY
18 YE/BU
24 L-GN/WH
550 BK
19 BN/GN
309 GY/BN
DPN/DQS
-DPN/ DQS
SP309_W69
309 GY/BN
X1 22
18
9
19
21
X63A Junction Block - Rear Body
X2 5
1
4
X3 4
5
1
709 BN
18 D-GN
24 L-GN
24 L-GN
19 D-GN
309 BN
E42L Tail Lamp Assembly - Left
E42R Tail Lamp Assembly - Right
1
2
3
E5AG Tail/Stop and Turn Signal Lamp - Left Upper
2
1
3
E5U Tail/Stop and Turn Signal Lamp - Left Lower
A (Z88)
B
E2LR Side Marker Lamp - Left Rear
A
B
E5A Backup Lamp - Left
A
B
E5B Backup Lamp - Right
A (Z88)
B
E2RR Side Marker Lamp - Right Rear
1
2
3
E5V Tail/Stop and Turn Signal Lamp - Right Lower
2
1
3
E5AH Tail/Stop and Turn Signal Lamp - Right Upper
1750 BK
2150 BK
G400
G121
G110

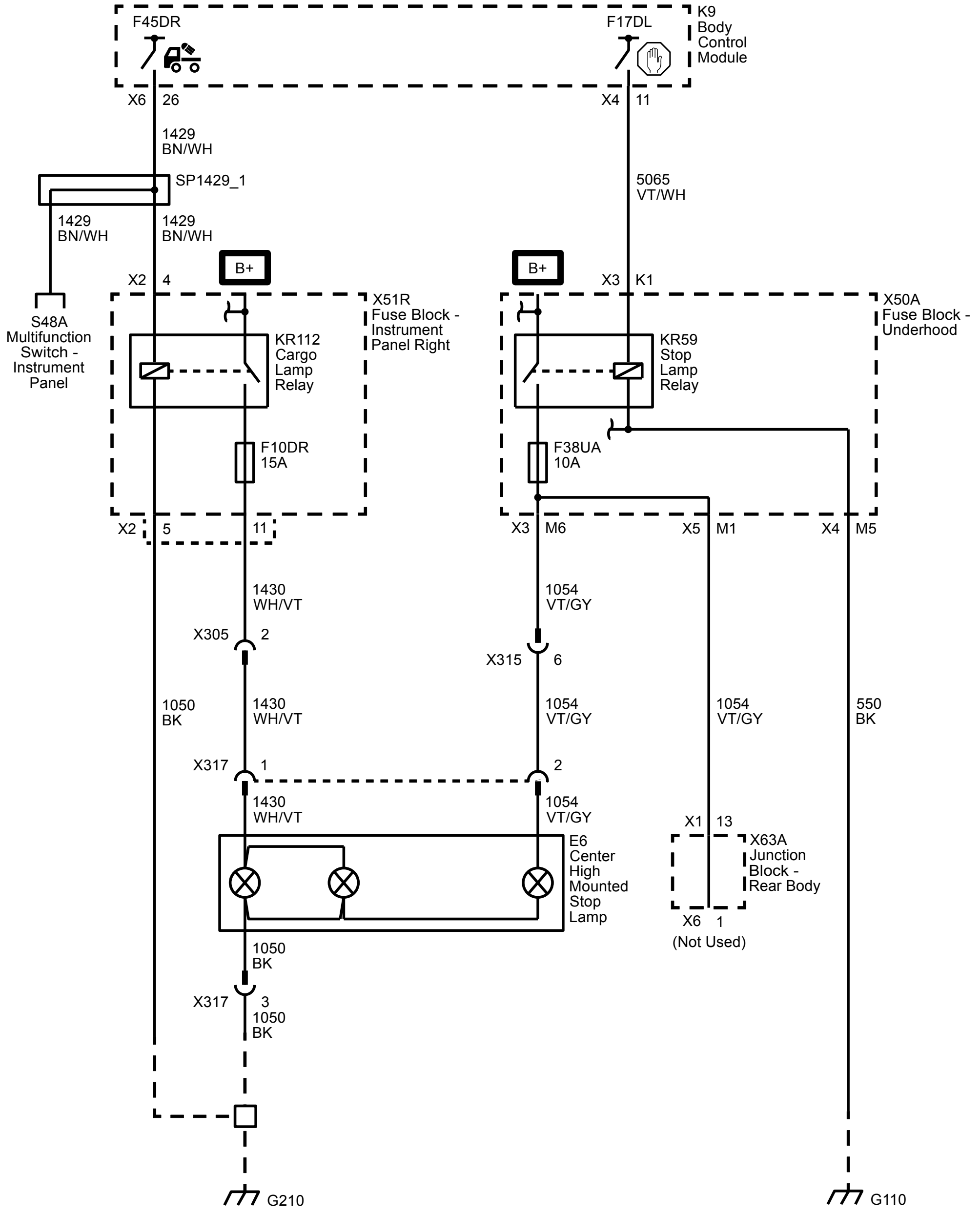
Tail Lamps (ZW9)


F9DL
F7DL
F45DR
K9
Body
Control
Module
X5
1
26
X4
4
18
YE/BU
38
BU/BN
19
BN/GN
B+
X3
A1
X4
L3
X3
A1
X50A
Fuse Block -
Underhood
KR61
Trailer
Backup
Lamps
Relay
KR125
Trailer Park
Lamps Relay
KR125
Trailer Park
Lamps Relay
F29UA
15A
F33UA
10A
F28UA
15A
X5
K2
A2
C1
X2
F2
X5
A3
K4
19
BN/GN
309
GY/BN
DPN/DQS
-DPN/
DQS
SP309_W69
309
GY/BN
709
VT/GY
18
YE/BU
24
L-GN/WH
550
BK
X1
22
18
9
19
21
X63A
Junction
Block -
Rear Body
X2
5
1
4
X3
4
5
1
709
BN
18
YE
24
L-GN
24
L-GN
19
D-GN
309
BN
E42L
Tail Lamp
Assembly -
Left
E5S
Tail/Stop
and Turn
Signal
Lamp - Left
E5A
Backup
Lamp -
Left
E5B
Backup
Lamp -
Right
E5T
Tail/Stop
and Turn
Signal
Lamp -
Right
E42R
Tail Lamp
Assembly -
Right
1
1750
BK
1
2150
BK
G400
G121
G110

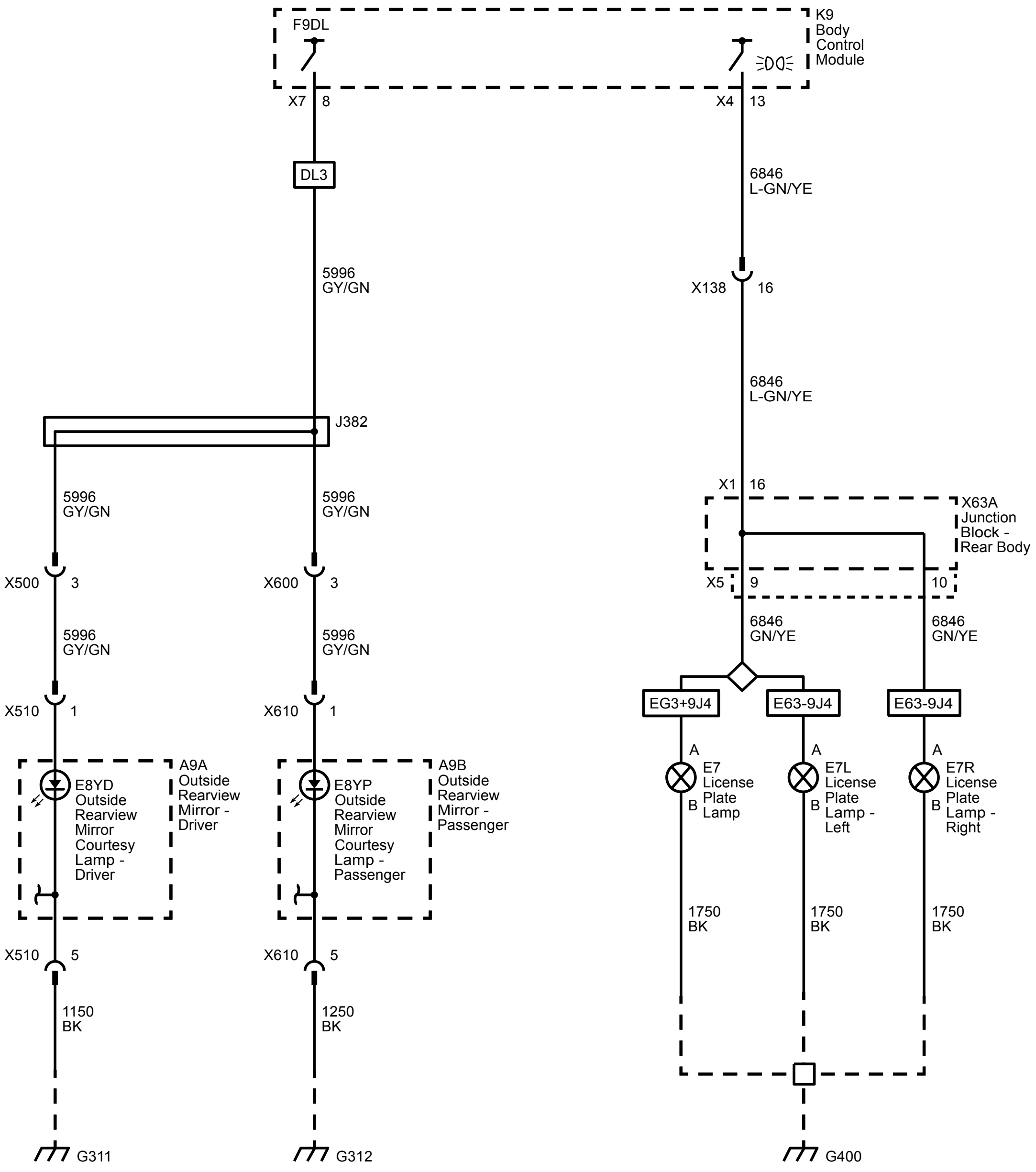
Roof Cargo and Center High Mounted Stop Lamps (except E29)


F45DR
F17DL
K9
Body
Control
Module
X6 26
X4 11
1429
BN/WH
SP1429_1
5065
VT/WH
1429
BN/WH
1429
BN/WH
B+
B+
X2 4
X3 K1
S48A
Multifunction
Switch -
Instrument
Panel
X51R
Fuse Block -
Instrument
Panel Right
KR112
Cargo
Lamp
Relay
X50A
Fuse Block -
Underhood
KR59
Stop
Lamp
Relay
F10DR
15A
F38UA
10A
X2 5 11
X3 M6
X5 M1
X4 M5
1430
WH/VT
1054
VT/GY
X5 4
X2 33
X61A
Junction
Block -
Instrument
Panel
X3 7
35
1050
BK
1430
WH/VT
1054
VT/GY
1054
VT/GY
550
BK
X317 1
2
1430
WH/VT
1054
VT/GY
E6
Center
High
Mounted
Stop
Lamp
X1 13
X63A
Junction
Block -
Rear Body
X6 1
(Not Used)
1050
BK
X317 3
1050
BK
G210
G110

Roof Cargo and Center High Mounted Stop Lamps (E29)

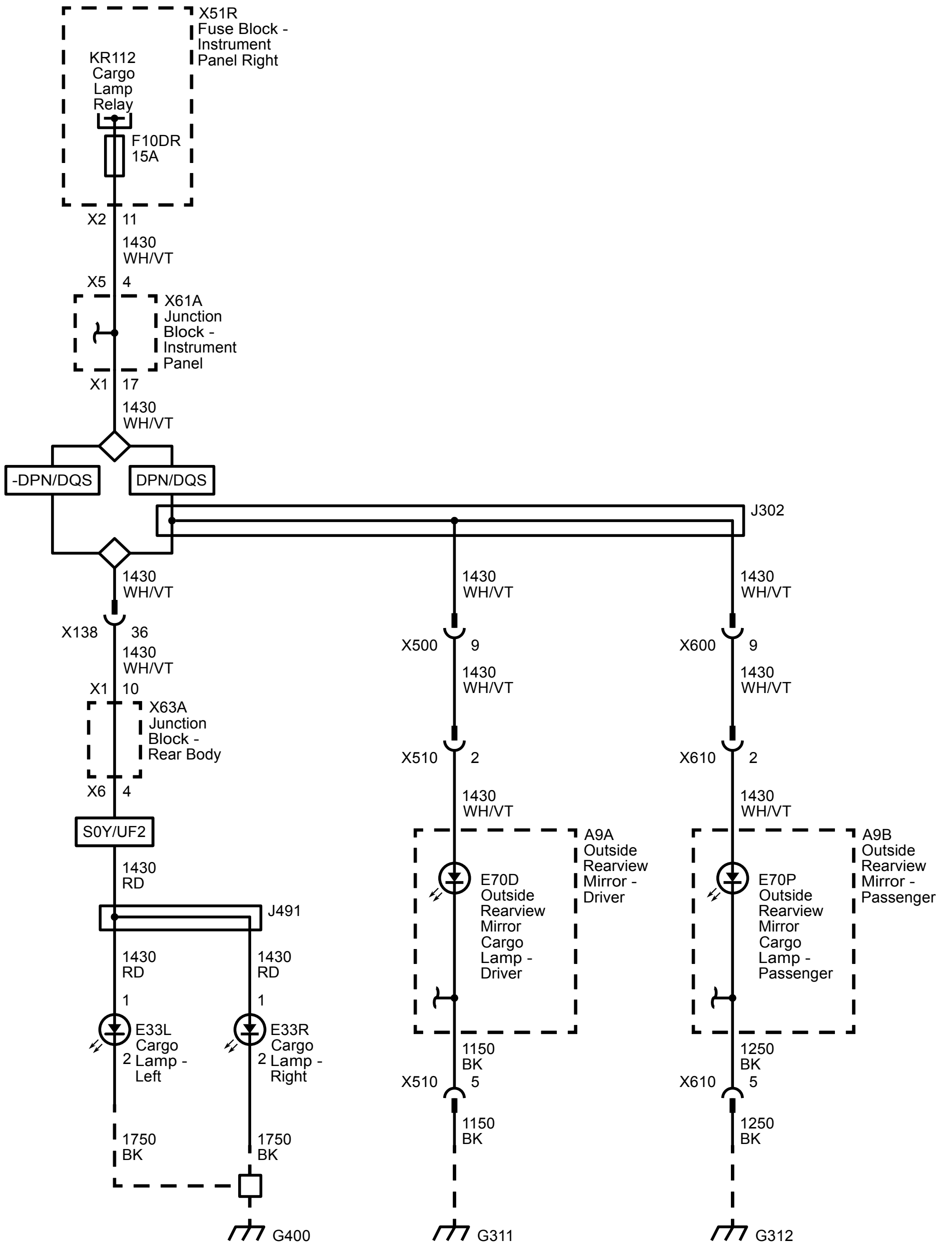

F45DR
F17DL
K9
Body
Control
Module
X6
26
X4
11
1429
BN/WH
SP1429_1
5065
VT/WH
1429
BN/WH
1429
BN/WH
B+
B+
X2
4
X3
K1
S48A
Multifunction
Switch -
Instrument
Panel
X51R
Fuse Block -
Instrument
Panel Right
KR112
Cargo
Lamp
Relay
X50A
Fuse Block -
Underhood
KR59
Stop
Lamp
Relay
F10DR
15A
F38UA
10A
X2
5
11
X3
M6
X5
M1
X4
M5
1430
WH/VT
1054
VT/GY
X305
2
X315
6
1050
BK
1430
WH/VT
1054
VT/GY
1054
VT/GY
550
BK
X317
1
2
1430
WH/VT
1054
VT/GY
X1
13
X63A
Junction
Block -
Rear Body
E6
Center
High
Mounted
Stop
Lamp
X6
1
(Not Used)
1050
BK
X317
3
1050
BK
G210
G110

Mirror Courtesy Lamps (DL3) and License Plate Lamps

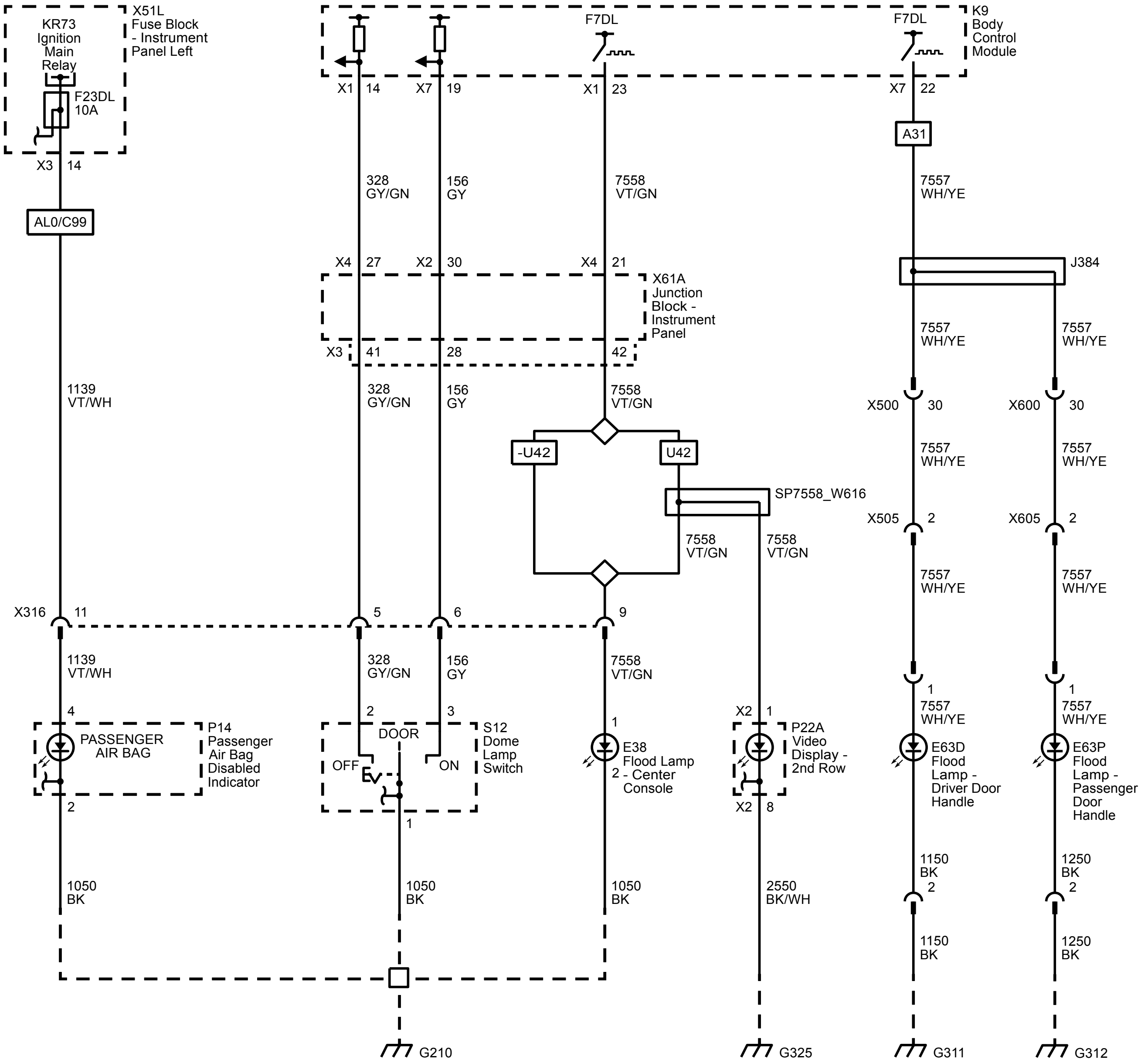


F9DL
K9
Body
Control
Module
X7
8
X4
13
DL3
6846
L-GN/YE
5996
GY/GN
X138
16
6846
L-GN/YE
J382
5996
GY/GN
5996
GY/GN
X1
16
X63A
Junction
Block -
Rear Body
X500
3
X600
3
X5
9
10
5996
GY/GN
5996
GY/GN
6846
GN/YE
6846
GN/YE
X510
1
X610
1
EG3+9J4
E63-9J4
E63-9J4
A9A
Outside
Rearview
Mirror -
Driver
E8YD
Outside
Rearview
Mirror
Courtesy
Lamp -
Driver
A9B
Outside
Rearview
Mirror -
Passenger
E8YP
Outside
Rearview
Mirror
Courtesy
Lamp -
Passenger
A
E7
License
Plate
Lamp
B
A
E7L
License
Plate
Lamp -
Left
B
A
E7R
License
Plate
Lamp -
Right
B
1750
BK
1750
BK
1750
BK
X510
5
X610
5
1150
BK
1250
BK
G311
G312
G400

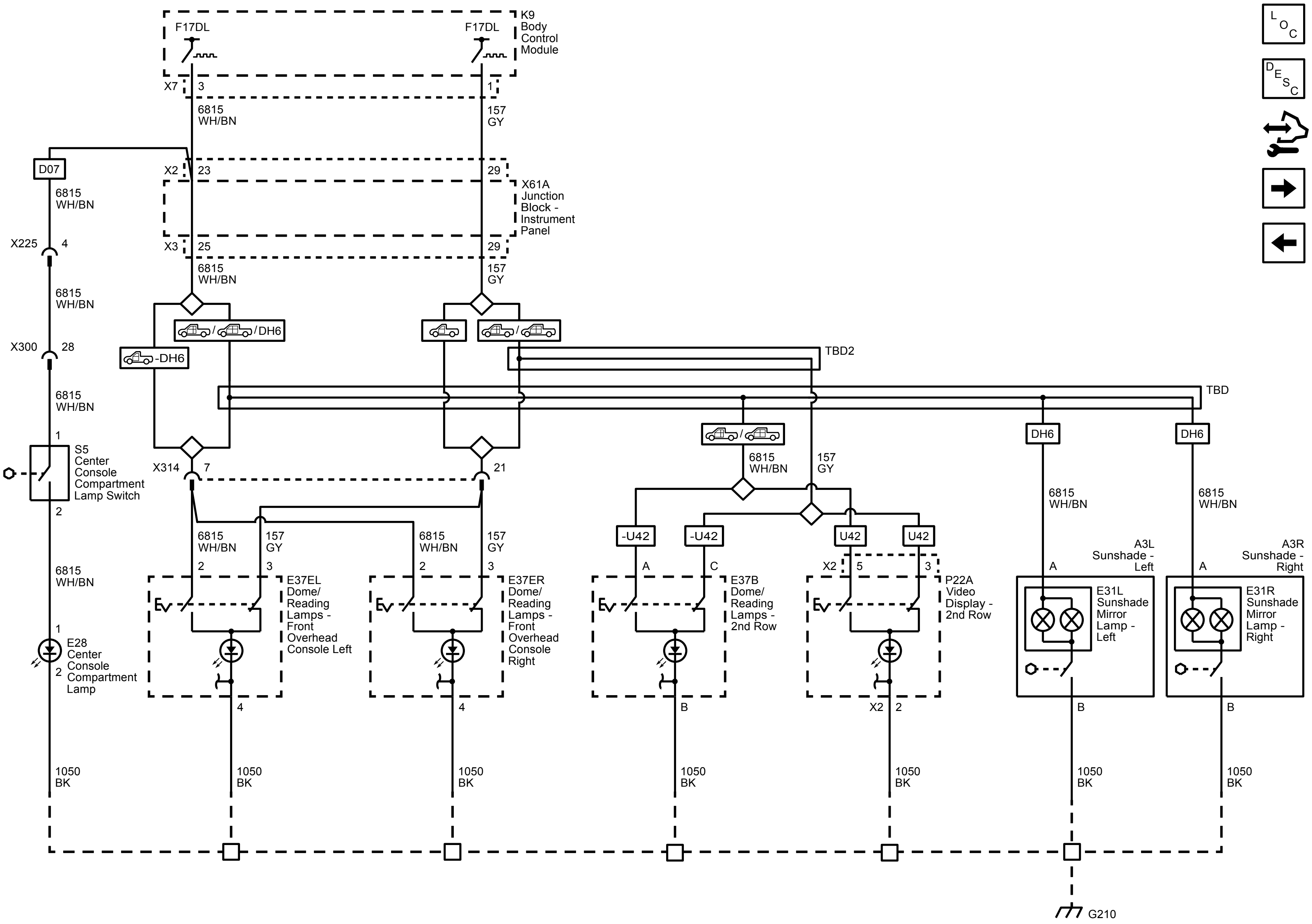
Mirror Cargo Lamps (DPN or DQS) and Cargo Box Lamps (S0Y or UF2)


X51R Fuse Block - Instrument Panel Right
KR112 Cargo Lamp Relay
F10DR 15A
X2 11
1430 WH/VT
X5 4
X61A Junction Block - Instrument Panel
X1 17
1430 WH/VT
-DPN/DQS
DPN/DQS
J302
1430 WH/VT
X138 36
1430 WH/VT
X1 10
X63A Junction Block - Rear Body
X6 4
S0Y/UF2
1430 RD
J491
1430 RD
1430 RD
1
1
E33L Cargo Lamp - Left
2
E33R Cargo Lamp - Right
2
1750 BK
1750 BK
G400
1430 WH/VT
X500 9
1430 WH/VT
X510 2
1430 WH/VT
A9A Outside Rearview Mirror - Driver
E70D Outside Rearview Mirror Cargo Lamp - Driver
1150 BK
X510 5
1150 BK
G311
1430 WH/VT
X600 9
1430 WH/VT
X610 2
1430 WH/VT
A9B Outside Rearview Mirror - Passenger
E70P Outside Rearview Mirror Cargo Lamp - Passenger
1250 BK
X610 5
1250 BK
G312

Controls and Flood Lamps (without E29)

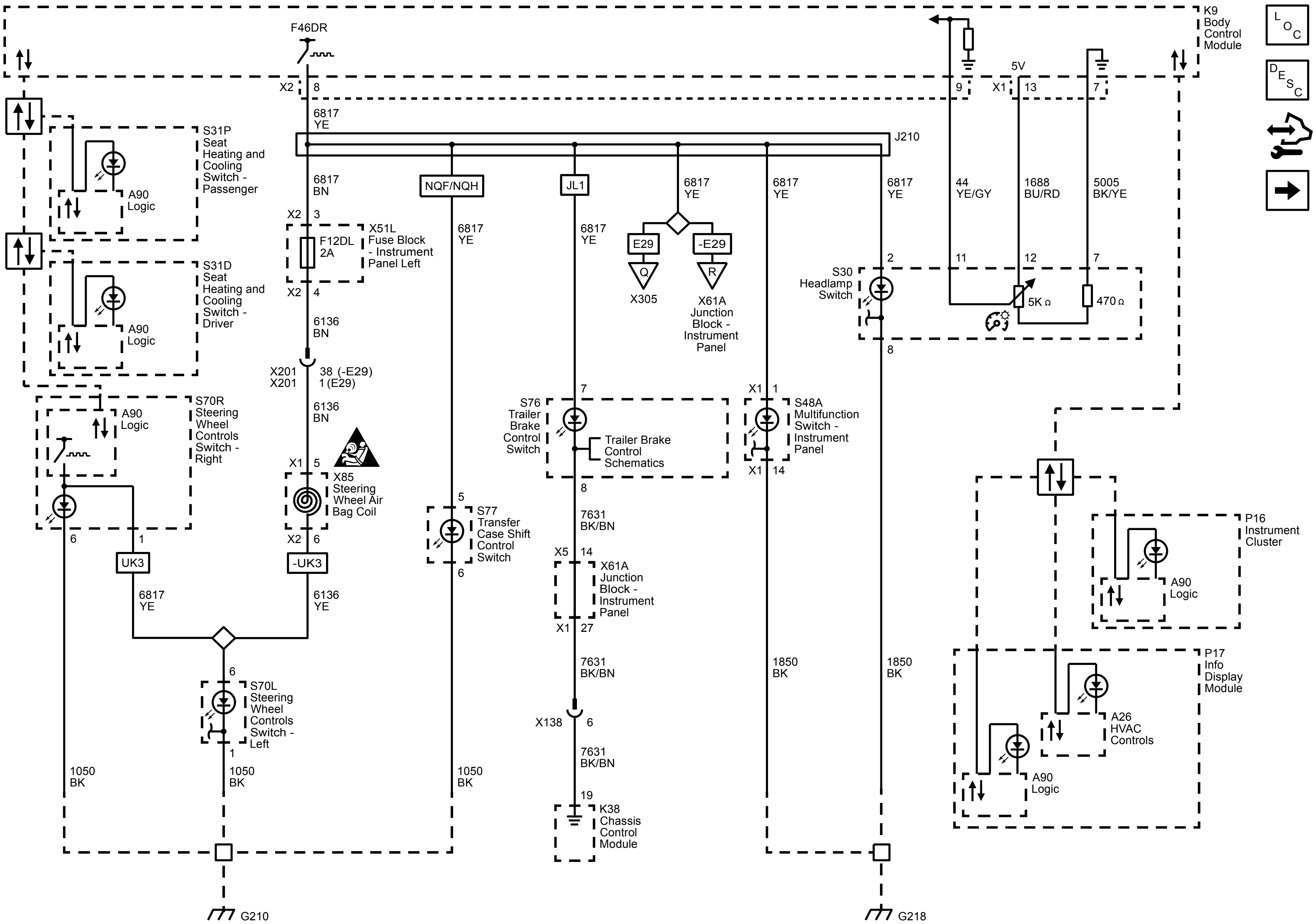

KR73 Ignition Main Relay
X51L Fuse Block - Instrument Panel Left
F23DL 10A
X3 14
AL0/C99
1139 VT/WH
F7DL
F7DL
K9 Body Control Module
X1 14
X7 19
X1 23
X7 22
A31
328 GY/GN
156 GY
7558 VT/GN
7557 WH/YE
X4 27
X2 30
X4 21
X61A Junction Block - Instrument Panel
X3 41
28
42
J384
328 GY/GN
156 GY
7558 VT/GN
7557 WH/YE
7557 WH/YE
X500 30
X600 30
-U42
U42
SP7558_W616
7557 WH/YE
7557 WH/YE
X505 2
X605 2
7558 VT/GN
7558 VT/GN
7557 WH/YE
7557 WH/YE
X316 11
5
6
9
1139 VT/WH
328 GY/GN
156 GY
7558 VT/GN
4
PASSENGER AIR BAG
P14 Passenger Air Bag Disabled Indicator
2
2
3
DOOR
OFF
ON
S12 Dome Lamp Switch
1
1
E38 Flood Lamp 2 - Center Console
X2 1
P22A Video Display - 2nd Row
X2 8
1
7557 WH/YE
E63D Flood Lamp - Driver Door Handle
1
7557 WH/YE
E63P Flood Lamp - Passenger Door Handle
1050 BK
1050 BK
1050 BK
2550 BK/WH
1150 BK
2
1150 BK
1250 BK
2
1250 BK
G210
G325
G311
G312

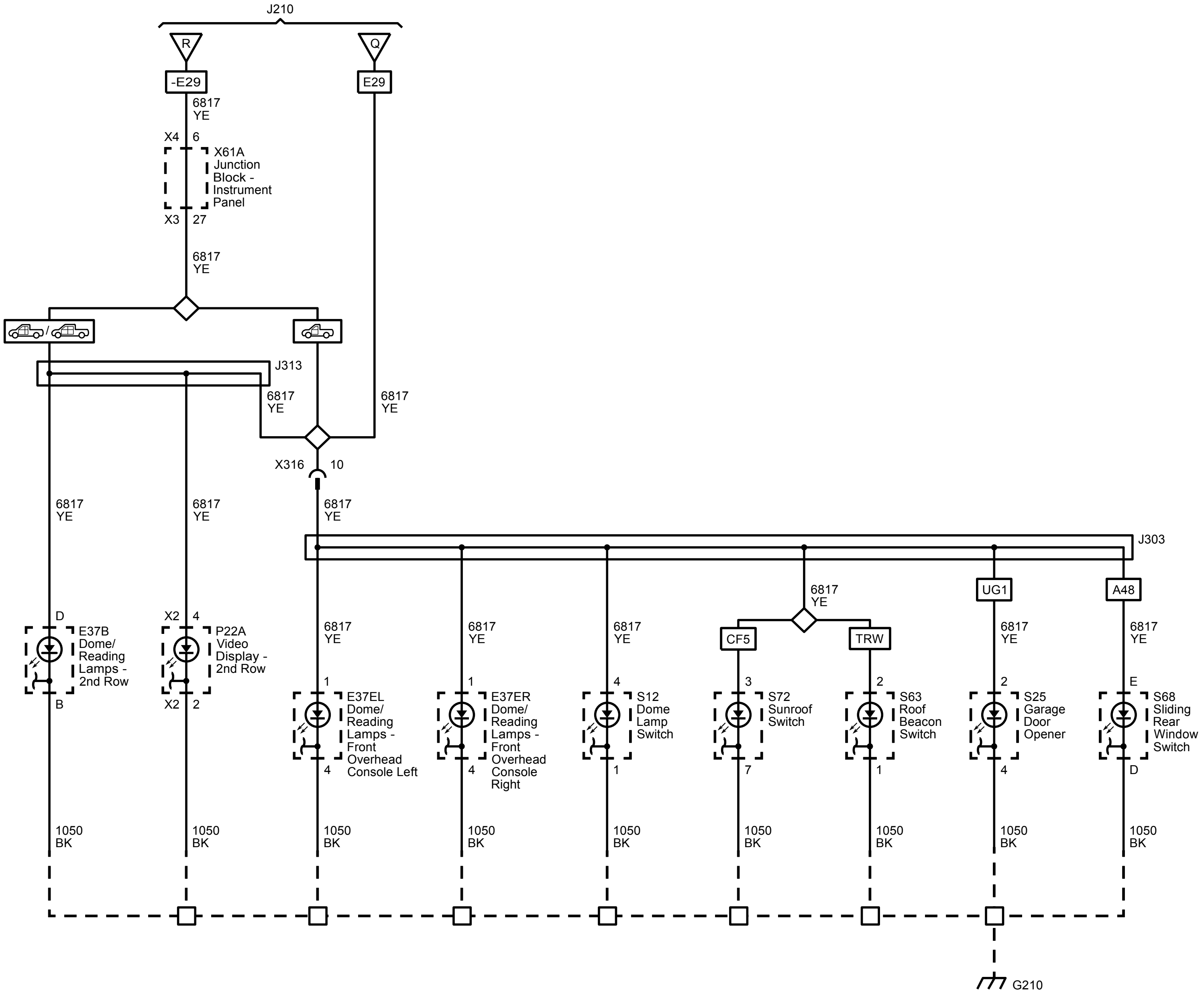
Floor Console Compartment and Overhead Lamps (without E29)

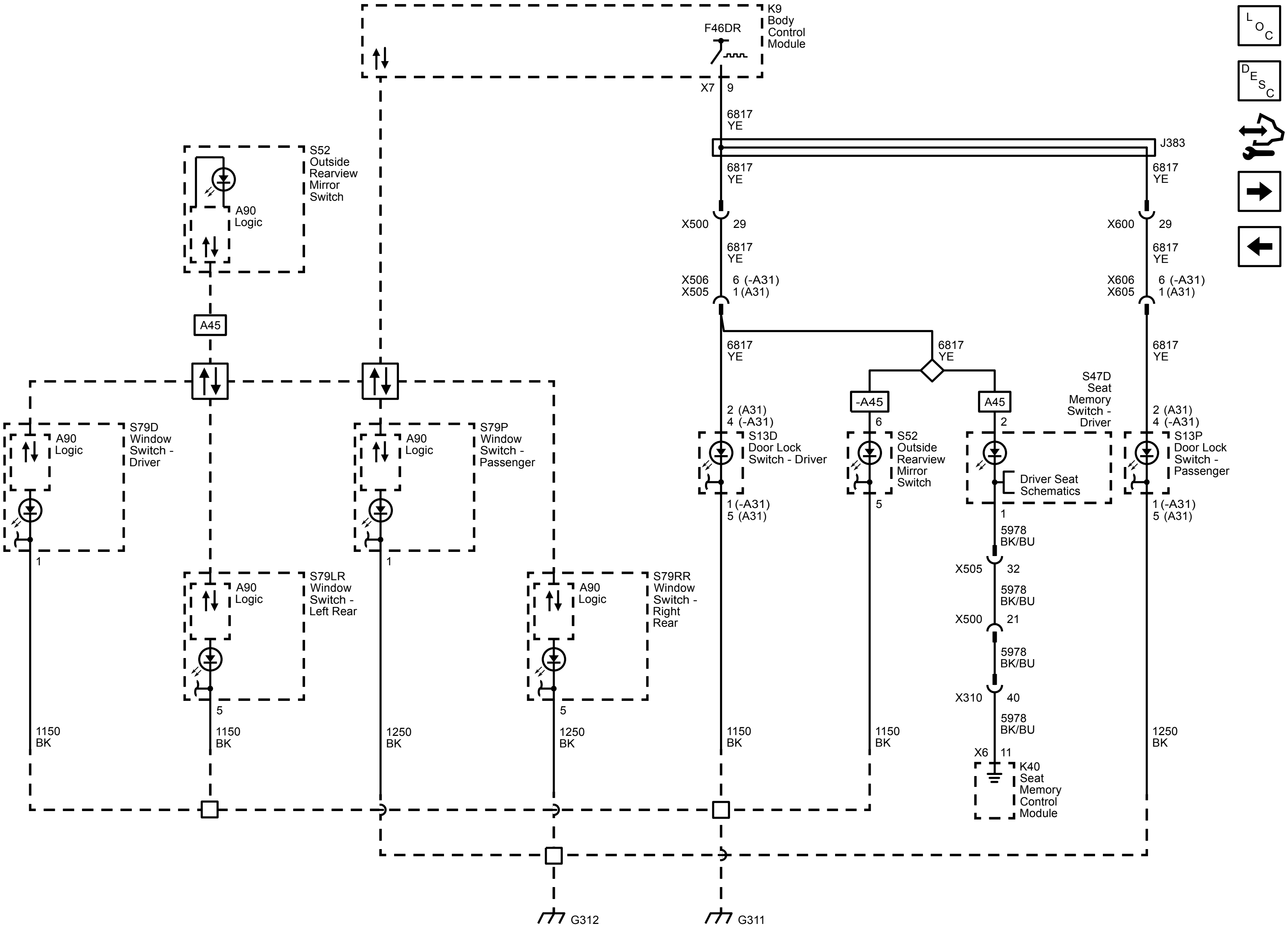

K9
Body
Control
Module
F17DL
F17DL
X7
3
1
6815
WH/BN
157
GY
D07
X2
23
29
X61A
Junction
Block -
Instrument
Panel
X3
25
29
X225
4
X300
28
-DH6
/DH6
TBD2
TBD
1
S5
Center
Console
Compartment
Lamp Switch
2
X314
7
21
DH6
DH6
-U42
-U42
U42
U42
A
C
X2
5
3
E37EL
Dome/
Reading
Lamps -
Front
Overhead
Console Left
E37ER
Dome/
Reading
Lamps -
Front
Overhead
Console
Right
E37B
Dome/
Reading
Lamps -
2nd Row
P22A
Video
Display -
2nd Row
A3L
Sunshade -
Left
A3R
Sunshade -
Right
E31L
Sunshade
Mirror
Lamp -
Left
E31R
Sunshade
Mirror
Lamp -
Right
E28
Center
Console
Compartment
Lamp
4
4
B
X2
2
B
B
1050
BK
G210
LOC
DESC

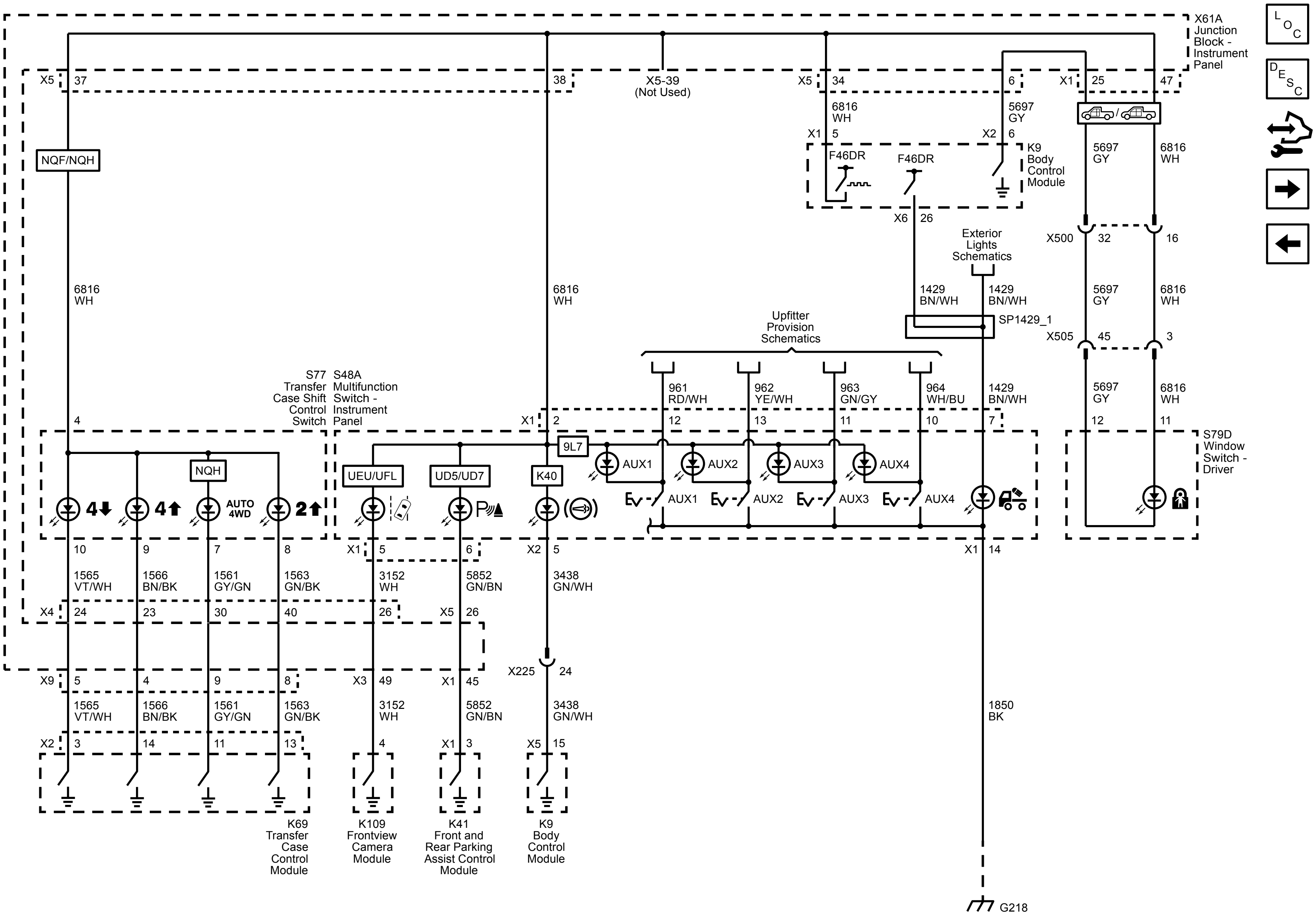
Interior Lights Dimming Schematics

Controls and Backlight - Instrument Panel


F46DR
K9 Body Control Module
X2 8
6817 YE
J210
9
X1 13
5V
7
L O C
D E S C
S31P Seat Heating and Cooling Switch - Passenger
A90 Logic
6817 BN
X2 3
X51L Fuse Block - Instrument Panel Left
F12DL 2A
X2 4
6136 BN
NQF/NQH
6817 YE
JL1
6817 YE
6817 YE
E29
-E29
Q
R
X305
X61A Junction Block - Instrument Panel
6817 YE
6817 YE
44 YE/GY
1688 BU/RD
5005 BK/YE
S30 Headlamp Switch
2
11
12
7
5K Ω
470 Ω
8
S31D Seat Heating and Cooling Switch - Driver
A90 Logic
X201 38 (-E29)
X201 1 (E29)
6136 BN
S70R Steering Wheel Controls Switch - Right
A90 Logic
X1 5
X85 Steering Wheel Air Bag Coil
X2 6
6
1
UK3
-UK3
6817 YE
6136 YE
5
S77 Transfer Case Shift Control Switch
6
7
S76 Trailer Brake Control Switch
Trailer Brake Control Schematics
8
7631 BK/BN
X5 14
X61A Junction Block - Instrument Panel
X1 27
7631 BK/BN
X138 6
7631 BK/BN
19
K38 Chassis Control Module
X1 1
S48A Multifunction Switch - Instrument Panel
X1 14
1850 BK
1850 BK
P16 Instrument Cluster
A90 Logic
P17 Info Display Module
A26 HVAC Controls
A90 Logic
6
S70L Steering Wheel Controls Switch - Left
1
1050 BK
1050 BK
1050 BK
G210
G218

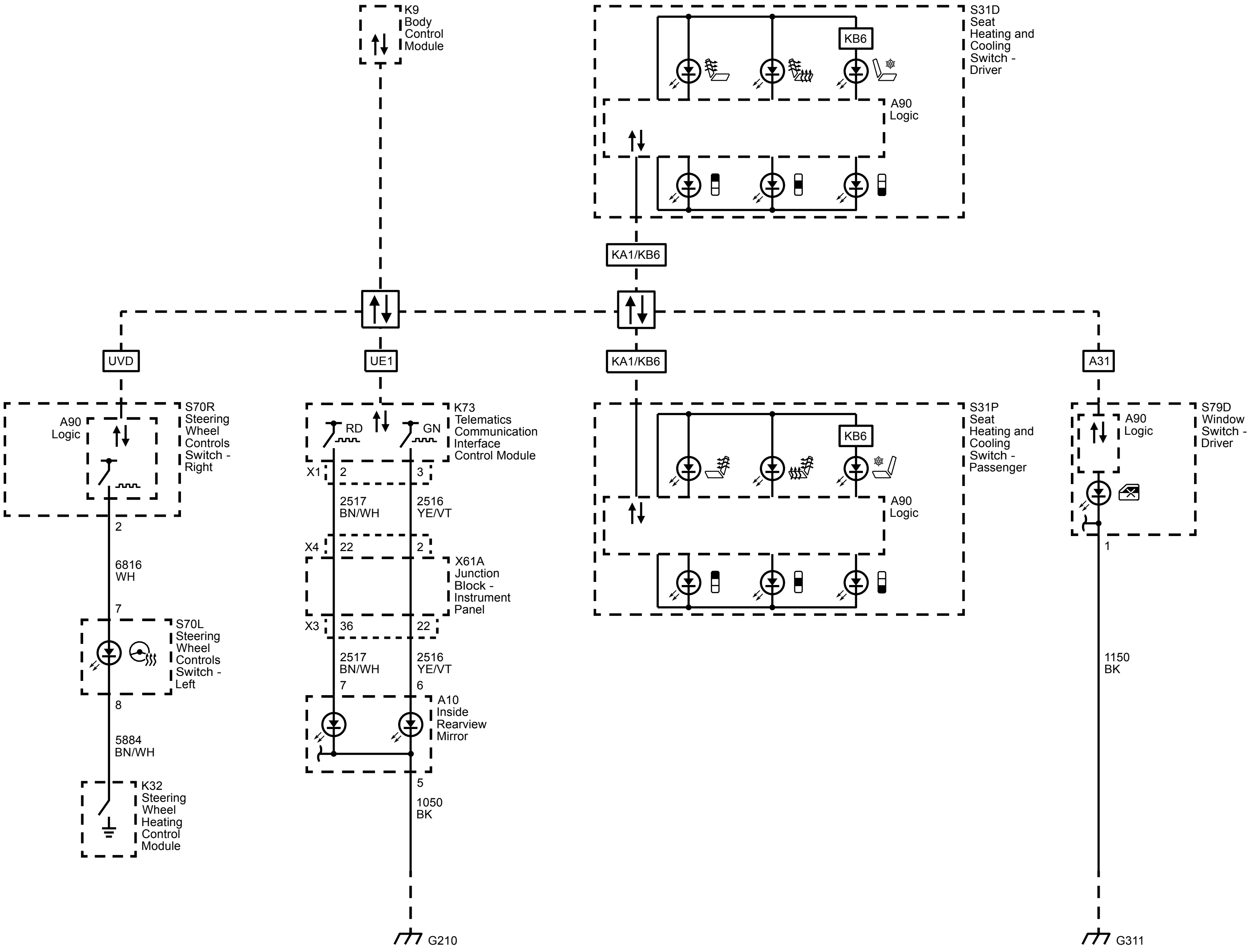

J210
R
Q
-E29
E29
6817
YE
X4
6
X61A
Junction
Block -
Instrument
Panel
X3
27
J313
X316
10
J303
D
E37B
Dome/
Reading
Lamps -
2nd Row
B
X2
4
P22A
Video
Display -
2nd Row
X2
2
1
E37EL
Dome/
Reading
Lamps -
Front
Overhead
Console Left
4
E37ER
Dome/
Reading
Lamps -
Front
Overhead
Console
Right
S12
Dome
Lamp
Switch
CF5
TRW
3
S72
Sunroof
Switch
7
S63
Roof
Beacon
Switch
UG1
2
S25
Garage
Door
Opener
A48
E
S68
Sliding
Rear
Window
Switch
1050
BK
G210


K9
Body
Control
Module
F46DR
X7 9
6817
YE
J383
X500 29
X600 29
X506 6 (-A31)
X505 1 (A31)
X606 6 (-A31)
X605 1 (A31)
S52
Outside
Rearview
Mirror
Switch
A90
Logic
A45
S79D
Window
Switch -
Driver
S79P
Window
Switch -
Passenger
S79LR
Window
Switch -
Left Rear
S79RR
Window
Switch -
Right
Rear
-A45
S47D
Seat
Memory
Switch -
Driver
Driver Seat
Schematics
2 (A31)
4 (-A31)
S13D
Door Lock
Switch - Driver
S13P
Door Lock
Switch -
Passenger
1 (-A31)
5 (A31)
5978
BK/BU
X505 32
X500 21
X310 40
X6 11
K40
Seat
Memory
Control
Module
1150
BK
1250
BK
G312
G311
L O C
D E S C


X61A Junction Block - Instrument Panel
X5 37
38
X5-39 (Not Used)
X5 34
6
X1 25
47
NQF/NQH
6816 WH
5697 GY
X1 5
X2 6
F46DR
F46DR
K9 Body Control Module
X6 26
Exterior Lights Schematics
5697 GY
6816 WH
X500 32
16
1429 BN/WH
1429 BN/WH
SP1429_1
X505 45
3
Upfitter Provision Schematics
961 RD/WH
962 YE/WH
963 GN/GY
964 WH/BU
1429 BN/WH
S77 Transfer Case Shift Control Switch
S48A Multifunction Switch - Instrument Panel
4
X1 2
12
13
11
10
7
12
11
S79D Window Switch - Driver
9L7
NQH
UEU/UFL
UD5/UD7
K40
AUX1
AUX2
AUX3
AUX4
4
4
AUTO 4WD
2
10
9
7
8
X1 5
6
X2 5
X1 14
1565 VT/WH
1566 BN/BK
1561 GY/GN
1563 GN/BK
3152 WH
5852 GN/BN
3438 GN/WH
X4 24
23
30
40
26
X5 26
X9 5
4
9
8
X3 49
X1 45
X225 24
1565 VT/WH
1566 BN/BK
1561 GY/GN
1563 GN/BK
3152 WH
5852 GN/BN
3438 GN/WH
1850 BK
X2 3
14
11
13
4
X1 3
X5 15
K69 Transfer Case Control Module
K109 Frontview Camera Module
K41 Front and Rear Parking Assist Control Module
K9 Body Control Module
G218
LOC
DESC

2015 CHEVROLET SILVERADO/GMC SIERRA
ELECTRICAL SECTION

Indicators - Serial Data


K9
Body
Control
Module
S31D
Seat
Heating and
Cooling
Switch -
Driver
KB6
A90
Logic
KA1/KB6
UVD
UE1
KA1/KB6
A31
A90
Logic
S70R
Steering
Wheel
Controls
Switch -
Right
RD
GN
K73
Telematics
Communication
Interface
Control Module
X1
2
3
S31P
Seat
Heating and
Cooling
Switch -
Passenger
KB6
A90
Logic
A90
Logic
S79D
Window
Switch -
Driver
2
2517
BN/WH
2516
YE/VT
6816
WH
X4
22
2
X61A
Junction
Block -
Instrument
Panel
1
7
S70L
Steering
Wheel
Controls
Switch -
Left
X3
36
22
2517
BN/WH
2516
YE/VT
1150
BK
7
6
A10
Inside
Rearview
Mirror
8
5884
BN/WH
K32
Steering
Wheel
Heating
Control
Module
5
1050
BK
G210
G311

Description and Operation

Exterior Lighting Systems Description and Operation

The exterior lighting system consist of the following lamps:

- Adaptive forward lighting
- Automatic headlamp leveling
- Backup lamps
- Daytime running lamps (DRL)
- Hazard warning lamps
- Headlamps
- Park, tail, license, and marker lamps
- Stop lamps
- Turn signal lamps

Low Beam Headlamps

Warning: The high intensity discharge system produces high voltage and current. To reduce the risk of severe shocks and burns:

- **Never open the high intensity discharge system ballast or the arc tube assembly starter.**
- **Never probe between the high intensity discharge system ballast output connector and the arc tube assembly.**

The headlamps consist of 2 high intensity discharge (HID) arc tubes and ballast on each side of the vehicle which provide high and low beams.

The headlamps may be turned ON in 3 different ways:

- When the headlamp switch is placed in the ON position, for normal operation
- When the headlamp switch is placed in the AUTO position, for automatic lamp control (ALC)
- When the headlamp switch is placed in the AUTO position, with the windshield wipers ON in daylight conditions, after a 6 second delay

The body control module (BCM) monitors three signal circuits from the turn signal/multifunction switch. When the turn signal/multifunction switch is in the AUTO position, all three signal circuits are open. When placed in the AUTO position, the BCM monitors inputs from the ambient light sensor to determine if headlamps are required or if daytime running lamps will be activated based on outside lighting conditions. When the turn signal/multifunction switch is placed in the OFF position, the turn signal/multifunction switch headlamps OFF signal circuit is grounded, indicating to the BCM that the exterior lamps should be turned OFF. With the turn signal/multifunction switch in the PARK position, the turn signal/multifunction switch park lamps ON signal circuit is grounded, indicating that the park lamps have been requested. When the turn signal/multifunction switch is placed in the HEADLAMP position, both the turn signal/multifunction switch park lamps ON signal circuit and the turn signal/multifunction switch headlamps ON signal circuit are grounded. The BCM responds to the low beam request by applying ground to the low beam relay control circuit which energizes the low beam relay. With the low beam relay energized, the switch contacts close allowing battery voltage to flow through the low beam fuses. Battery voltage is then applied from the fuses, through the low beam control circuits to the left and right headlamp ballast located in each headlamp assembly. When battery voltage is applied to the headlamp ballast through the low beam control circuits, the ballast charge the starter to start the lamp. High intensity discharge (HID) headlamps do not have filaments like traditional bulbs, instead the starter uses a high voltage transformer to convert the input voltage into a higher voltage. This increased voltage is used in order to create an arc between the electrodes in the bulb.

The BCM will also command the low beam headlamps ON during daylight conditions when the following conditions are met:

- Headlamp switch in the AUTO position
- Windshield wipers ON
- Vehicle in any gear but PARK

When the BCM commands the low beam headlamps ON, the operator will notice the interior backlighting for the instrument cluster and the various other switches dim to the level of brightness selected by the instrument panel dimmer switch.

Run Up Of The Lamp

Each ballast requires higher amperage in order to ensure normal startup and run up of the lamp. Run up is the term used to describe the extra power level given to the bulb. The input current during the steady state operation is lower that the start up amperage. After the lamp receives the strike from the starter and the arc is established, the ballast uses its operating voltage in order to provide the run up power needed in order to keep the lamp on. The lamp rapidly increases in intensity from a dim glow to a very high-intensity, bright light called a steady state. Within a few seconds of the arc being established in the bulb, the majority of steady state is complete. 100 percent of the steady state is completed shortly there after. A high watt power level is necessary in order to bring the lamp to a steady state in such a short period of time. The high watt power level allows the lamp to meet the SAE light vs. time specification.

When To Change The HID Bulb

Bulb failure, end of life occurs when the bulb gets old and becomes unstable. The bulb may begin shutting itself off sporadically and unpredictably at first, perhaps only once during a 24-hour period. When the bulb begins shutting itself off occasionally, the ballast will automatically turn the bulb back on again within 0.5 seconds. The ballast will re-strike the bulb so quickly that the bulb may not appear to have shut off. As the bulb ages, the bulb may begin to shut off more frequently, eventually over 30 times per minute. When the bulb begins to shut off more frequently, the ballast receives excessive, repetitive current input . Repetitive and excessive restarts or re-strikes, without time for the ballast to cool down, will permanently damage the ballast. As a safeguard, when repetitive re-strikes are detected, the ballast will not attempt to re-strike the lamp. The ballast then shuts down and the bulb goes out.

The following symptoms are noticeable signs of bulb failure:

- Flickering light, caused in the early stages of bulb failure
- Lights go out, caused when the ballast detects excessive, repetitive bulb re-strike

- Color change—The lamp may change to a dim pink glow.

Input power to the ballast must be terminated in order to reset the ballast's fault circuitry. In order to terminate the input power to the ballast, turn the lights off and back on again. Turning the lights off and back on again resets all of the fault circuitry within the ballast until the next occurrence of excessive, repetitive bulb re-strikes. When excessive, repetitive bulb re-strikes occur, replace the starter/arc tube assembly. The ballast will begin the start-up process when the starter/arc tube assembly is replaced. Repeatedly resetting the input power can overheat the internal components and cause permanent damage to the ballast. Allow a few minutes of cool-down time in between reset attempts.

Light Color

White light has a different color rating than regular headlamps. The range of white light that is acceptable is broad when compared to halogens. Therefore, some variation in headlight coloring between the right and left headlamp will be normal. One high intensity discharge (HID) at the end of the normal range may appear considerably different in color from one at the other end of the range. Difference in color is normal. Replace the arc tube only if the arc tube is determined to be at the bulb failure stage.

High Beam Headlamps

When the low beam headlamps are ON and the turn signal/multifunction switch is placed in the high beam position, ground is applied to the BCM through the high beam signal circuit. The BCM responds to the high beam request by applying ground to the high beam relay control circuit which energizes the high beam relay. With the high beam relay energized, the switch contacts close allowing battery voltage to flow through the left and right high beam fuses to the high beam control circuits and on to the left and right high beam solenoid actuators within the headlamp assemblies. Once the high beam solenoid actuators are active, the solenoid shutters open in each headlamp assembly exposing the remaining portion of the headlamp that was covered by the shutters illuminating the high beams at full intensity.

Adaptive Forward Lighting (AFL)

The AFL consist of the following components:

- Headlamp control module
- Headlamp actuator - left
- Headlamp actuator - right

Battery positive voltage is applied to the headlamp control module at all times and when the ignition switch is in the RUN and CRANK positions. The headlamp control module has an operational voltage range of about 10.5-16 volts and is only fully functional when the ignition switch is in the RUN position. The voltage input from the ignition switch wakes the headlamp control module microprocessor. The headlamp control module receives serial data messages from the engine control module (ECM), transmission control module (TCM), electronic brake control module (EBCM), and body control module (BCM) with regards to power mode, speed, steering angle, transmission gear selection, and headlamp switch status. The headlamp control module calculates the headlamp angle and sends commands to the left and right headlamp actuators. The headlamp actuators drive the headlamps to the position commanded by the headlamp control module. The headlamp control module monitors the headlamp actuator motor control circuits for proper circuit continuity and for shorts to ground or voltage. If a malfunction is detected, a DTC will be stored in memory and the driver will be notified with a message displayed over the driver information center (DIC) located on the instrument panel cluster (IPC).

The headlamp control module controls the left headlamp movement by 15 degrees to the left and 5 degrees to the right, and the right headlamp movement by 5 degrees to the left and 15 degrees to the right. The direction the headlamps move is controlled by the steering wheel angle and is limited by steering angles of approximately +/- 90 degrees. The AFL will not operate with the transmission in reverse or at vehicle speeds less than 2 mph. Movement of the headlamps is restricted at low vehicle speeds and full movement of the lamps is not allowed until vehicle speed is greater than approximately 30 mph. The following conditions must be met before the AFL will operate:

- Headlamp switch in the AUTO position and high or low beam headlamps must be active
- Steering angle position must be received from the EBCM with the steering signal validity bit set
- Vehicle speed must be received from the ECM with the steering signal validity bit set
- Transmission gear position must be received from the TCM with the transmission gear position validity bit set

Automatic Headlamp Leveling

The Automatic Headlamp Leveling Systems consist of the following components:

- Headlamp control module
- Headlamp leveling actuator - left
- Headlamp leveling actuator - right
- Suspension position sensor - front
- Suspension position sensor - rear

The automatic headlamp leveling system automatically maintains the vertical alignment of the headlamps when the vehicle load and driving conditions change. Each headlamp assembly contains a headlamp leveling motor that is controlled by the headlamp control module. The front and rear suspension position sensors provide the headlamp control module with suspension position information. Each sensor receives a 5-volt reference, signal, and low reference circuits from the headlamp control module. The sensors are connected to the control arms of the front and rear suspension. As the vehicle travels, the suspension compresses and rebounds moving the suspension position sensor arms. This causes the signal output of the sensor to change. The headlamp control module compares the information from both suspension position sensors and adjusts the headlamp leveling as needed.

Daytime Running Lamps (DRL)

The daytime running lamps (DRL) will illuminate continuously when the following conditions are met:

- The ignition is in the RUN or CRANK position
- The shift lever is out of the PARK position for vehicles equipped with automatic transmissions or the parking brake is released for vehicles with manual transmissions
- The low and high beam headlamps are OFF

The ambient light sensor is used to monitor outside lighting conditions. The ambient light sensor provides a voltage signal that will vary between 0.2 and 4.9 volts depending on outside lighting conditions. The body control module (BCM) provides a 5-volt reference signal to the ambient light sensor and the HVAC control module provides a low reference ground. The BCM monitors the ambient light sensor signal circuit to determine if outside lighting conditions are correct for either daytime running lights (DRL) or automatic lamp control (ALC) when the headlamp switch is in the AUTO position. In daylight conditions the BCM will command the designated DRLs ON. During low light conditions the BCM will command the low beam headlamps ON. Any function or condition that turns on the headlamps will cancel DRL operation.

Automatic Lamp Control

Place the turn signal/multifunction switch in the AUTO position for automatic lamp control. During automatic lamp control the headlamps will be off during daylight conditions but will turn on when the ambient light sensor detects low outside light level. The ambient light sensor is a light sensitive transistor that varies the voltage signal to the HVAC control module. The HVAC control module sends a signal to the body control module (BCM) via serial data commanding the BCM to apply ground to the headlamp low beam relay control circuit. This energizes the low beam relay, closing the switched side and applies battery voltage to the LEFT and RIGHT LOW BEAM fuses. Battery voltage is applied from the low beam fuses, through the low beam voltage supply circuits to low headlamp assemblies.

Flash to Pass (FTP)

When the turn signal/multifunction switch is momentarily placed in the flash to pass (FTP) position, ground is applied to the turn signal/multifunction switch. The turn signal/multifunction switch applies ground to the body control module (BCM) through the FTP switch signal circuit. The BCM responds to the FTP request by applying ground to the high beam relay control circuit. This energizes the high beam relay, closing the switch side contacts of the high beam relay, applying battery voltage to the left and right high beam fuses. Battery voltage is applied from the high beam fuses through the high beam control circuit to the high beam headlamp assemblies. This causes the high beam headlamps to illuminate at full brightness momentarily.

Hazard Lamps

The hazard flashers may be activated in any power mode. The hazard switch signal circuit is momentarily grounded when the hazard switch is pressed. The body control module (BCM) responds to the hazard switch signal input by supplying battery voltage to all four turn signal lamps in an ON and OFF duty cycle. When the hazard switch is activated, the BCM sends a serial data message to the instrument panel cluster (IPC) requesting both turn signal indicators to be cycled ON and OFF.

The I/P dimmer switch controls the brightness of the interior backlighting components. When the I/P dimmer switch is placed in a desired brightness position, the body control module (BCM) receives a signal from the I/P dimmer switch and responds by applying a pulse width modulated (PWM) voltage to the hazard switch light emitting diode (LED) backlighting control circuit illuminating the LED to the desired level of brightness.

Park, Tail, and License Lamps

When the headlamp switch is placed in the HEAD or PARK position, ground is applied to the park lamp switch ON signal circuit to the body control module (BCM). The BCM responds by applying voltage to the park lamps, tail lamps, and license lamps control circuits illuminating the park, tail, and license lamps.

Stop Lamps

The brake pedal position (BPP) sensor is used to sense the action of the driver application of the brake pedal. The BPP sensor provides an analog voltage signal that will increase as the brake pedal is applied. The body control module (BCM) provides a low reference signal and a 5-volt reference voltage to the BPP sensor. When the variable signal reaches a voltage threshold indicating the brakes have been applied, the BCM will apply battery voltage to the left and right stop lamp control circuits as well as the center high mounted stop lamp (CHMSL) control circuit illuminating the left and right stop lamps and the CHMSL.

Turn Signal Lamps

Ground is applied at all times to the turn signal/multifunction switch. The turn signal lamps may only be activated with the ignition switch in the ON or START positions. When the turn signal/multifunction switch is placed in either the TURN RIGHT or TURN LEFT position, ground is applied to the body control module (BCM) through either the right turn or left turn signal switch signal circuit. The BCM responds to the turn signal switch input by applying a pulsating voltage to the front and rear turn signal lamps through there respective control circuits. When a turn signal request is received by the BCM, a serial data message is sent to the instrument panel cluster (IPC) requesting the respective turn signal indicator be pulsed ON and OFF.

Backup Lamps

With the engine ON and the transmission in the REVERSE position, the transmission control module (TCM) sends a serial data message to the body control module (BCM). The message indicates that the gear selector is in the REVERSE position. The BCM applies battery voltage to the backup lamps control circuit illuminating the backup lamps. Once the driver moves the gear selector out of the REVERSE position, a message is sent by the TCM via serial data requesting the BCM to remove battery voltage from the backup lamps control circuit. The engine must be ON for the backup lamps to operate.

Battery Run Down Protection/Inadvertent Power

To provide battery run down protection, the exterior lamps will be deactivated automatically under certain conditions. The BCM monitors the state of the headlamp switch. If the park or headlamp switch is ON when the ignition switch is placed in either the CRANK or RUN position and then placed in the OFF position, the BCM initiates a 10 min timer. At the end of the 10 min, the BCM will turn off the control power output to the park lamp controls as well as the headlamp relay coils, deactivating the exterior lamps. This feature will be cancelled if any power mode other than OFF becomes active. The BCM will disable battery run down protection if any of the following conditions exist. The park or headlamp switch is placed in the ON to OFF position, and back to the ON position during battery run down protection. The BCM determined that the park or headlamp switch was not active when the ignition was turned OFF.

Interior Lighting Systems Description and Operation

Interior Lamps

The interior lighting system consist of two groups. This first group includes lamps that may not be dimmed.

- Dome lamps
- I/P compartment lamps
- Reading lamps
- Rear compartment courtesy lamp
- Sunshade mirror lamps

Dome Lamps

The dome lamp switch has 3 positions: DOOR, OFF, and ON. The ON position provides a ground for continuous operation and the dome lamp will remain illuminated until the switch is placed in either the DOOR or OFF position. When in the DOOR position, the dome lamp operation is controlled by the body control module (BCM). When any door is opened, the door ajar switch contacts close and the BCM receives a door-open input. The BCM illuminates the dome lamp when any door is opened or a door lock/unlock request is activated with the key fob. After all doors have been closed, the dome lamp will remain illuminated approximately 3 seconds after the last door closes. When the driver places the dome lamp switch in the OFF position, the dome lamp will be disabled. In the event that the dome lamp were to remain illuminated for more than 10 minutes with the ignition switch in the OFF position and no doors opened, the BCM will deactivate the dome lamp control circuit to prevent total battery discharge. The dome lamps will turn OFF using the theater dimming feature when controlled by the BCM.

Center Console Compartment Lamp

The inadvertent power supply voltage circuit from the BCM provides battery voltage to the center console compartment lamp. When the center console is opened, the center console compartment lamp switch contacts close providing a path to ground and the center console compartment lamp illuminates. If the operator inadvertently leaves the center console compartment door open with the center console compartment lamp ON, the BCM will turn all interior lamps OFF after 10 minutes has passed since any switch activation has been detected by the BCM.

Instrument Panel (I/P) Compartment Lamp

The inadvertent power supply voltage circuit from the BCM provides battery voltage to the I/P compartment (glove box) lamp. When the I/P compartment is opened, the I/P compartment lamp switch contacts close providing a path to ground and the I/P compartment lamp illuminates. If the operator inadvertently leaves the I/P compartment door open with the I/P compartment lamp ON, the BCM will turn all interior lamps OFF after 10 minutes has passed since any switch activation has been detected by the BCM. The I/P compartment lamp is permanently grounded at ground G204.

Reading Lamps

The inadvertent power supply voltage circuit from the BCM provides battery positive voltage to each reading lamp. When a reading lamp switch is activated, the switch contacts close providing a path to ground and the reading lamp illuminates. If the operator inadvertently leaves a reading lamp ON, the BCM will turn all interior lamps OFF after 10 minutes has passed since any switch activation has been detected by the BCM.

Rear Compartment Courtesy Lamp

When the rear compartment is opened, the rear compartment lid latch opens providing a rear compartment open input signal to the BCM. The BCM responds by applying battery voltage to the rear compartment courtesy lamp control circuit illuminating the rear compartment courtesy lamp.

Sunshade Mirror Lamps

The inadvertent power supply voltage circuit from the BCM provides battery voltage to each set of sunshade mirror lamps. When the sunshade mirror cover is opened, a switch closes providing ground and the sunshade lamps illuminate. If the operator inadvertently leaves a sunshade mirror cover open with the lamps ON, the BCM will turn all interior lamps OFF after 10 minutes has passed since any switch activation has been detected by the BCM.

Keyless Entry Interior Illumination

When the operator uses the keyless entry transmitter in order to unlock the doors, the BCM receives a door-unlock signal. The BCM must receive inputs from various systems that indicate that the ignition switch is OFF, the courtesy lamp switch is OFF, and all doors are closed before the BCM will activate the interior lamps. After all doors have been closed, the courtesy lamps will turn OFF immediately if the ignition switch is turned to the ON position, the door locks are LOCKED, or approximately 20 seconds after the last door closes. The BCM will turn off the courtesy lamps through the theater dimming feature. The BCM keeps the courtesy lamps on for 40 seconds after an alarm event is completed.

Interior Lamps Dimming

The second group includes lamps which may be dimmed. This group may use a combination of light emitting diodes (LED), incandescent lamps, and pulse width modulation (PWM) illumination.

- Dome/reading lamps – front
- Dome/reading lamps – rear
- Door lock switch – driver
- Door lock switch – passenger
- Headlamp switch
- Hazard switch
- HVAC control head assembly
- Ignition mode switch
- Multifunction switch – instrument panel
- Outside rearview mirror switch
- Park brake switch

- Radio
- Rear compartment lid unlatch switch
- Steering wheel control switch – left
- Steering wheel control switch – right
- Sun roof switch
- Sun roof tilt switch
- Window switch – passenger

With the headlamp switch in the PARK or HEAD position, the park lamp switch signal circuit provides an input to the body control module (BCM). The BCM responds by applying voltage to the park lamps as well as the backlight dimming control circuits illuminating all components with interior backlighting. All interior backlighting turns ON at the dimming level indicated by the instrument panel (I/P) dimmer switch. The instrument panel (I/P) dimmer switch is a momentary type switch and utilizes a resistor ladder to increase and decrease the brightness of the interior backlighting components. The I/P dimmer switch provides a voltage signal to the BCM that will increase as the brightness of the lights are increased and decrease as the brightness of the lights are decreased. The BCM provides a low reference signal and a B+ circuit to the I/P dimmer switch. When the I/P dimmer switch is held in the desired position, the dimmed voltage setting is applied from the I/P dimmer switch through the I/P dimmer switch signal circuit to the BCM. The BCM interprets the signal and applies a pulse width modulated (PWM) voltage through the backlighting control circuits illuminating the interior backlighting to the requested level of brightness.

Battery Rundown Protection/Inadvertent Power

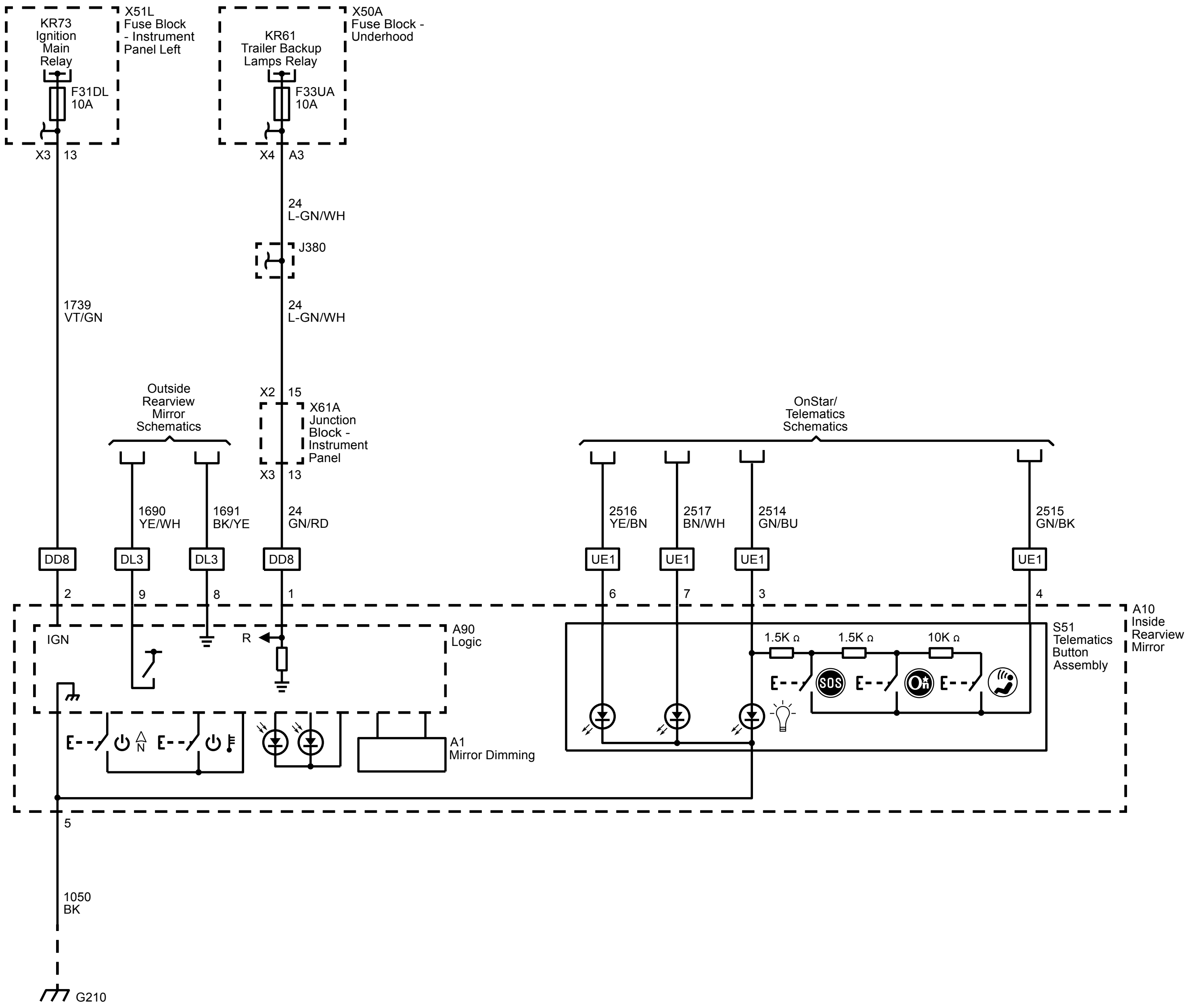
The BCM inadvertent power supply voltage circuit provides battery voltage to all of the interior courtesy lamps. In the event that any of these lamps were to remain illuminated for a period of more than 10 minutes with the ignition switch in the OFF position, the BCM will deactivate the inadvertent power supply voltage circuit to prevent total battery discharge. If the ignition switch is turned to any position other than OFF, or if a lamp switch is activated during this 10 minute period, the timer resets for another 10 minutes.

Mirrors

Schematic and Routing Diagrams

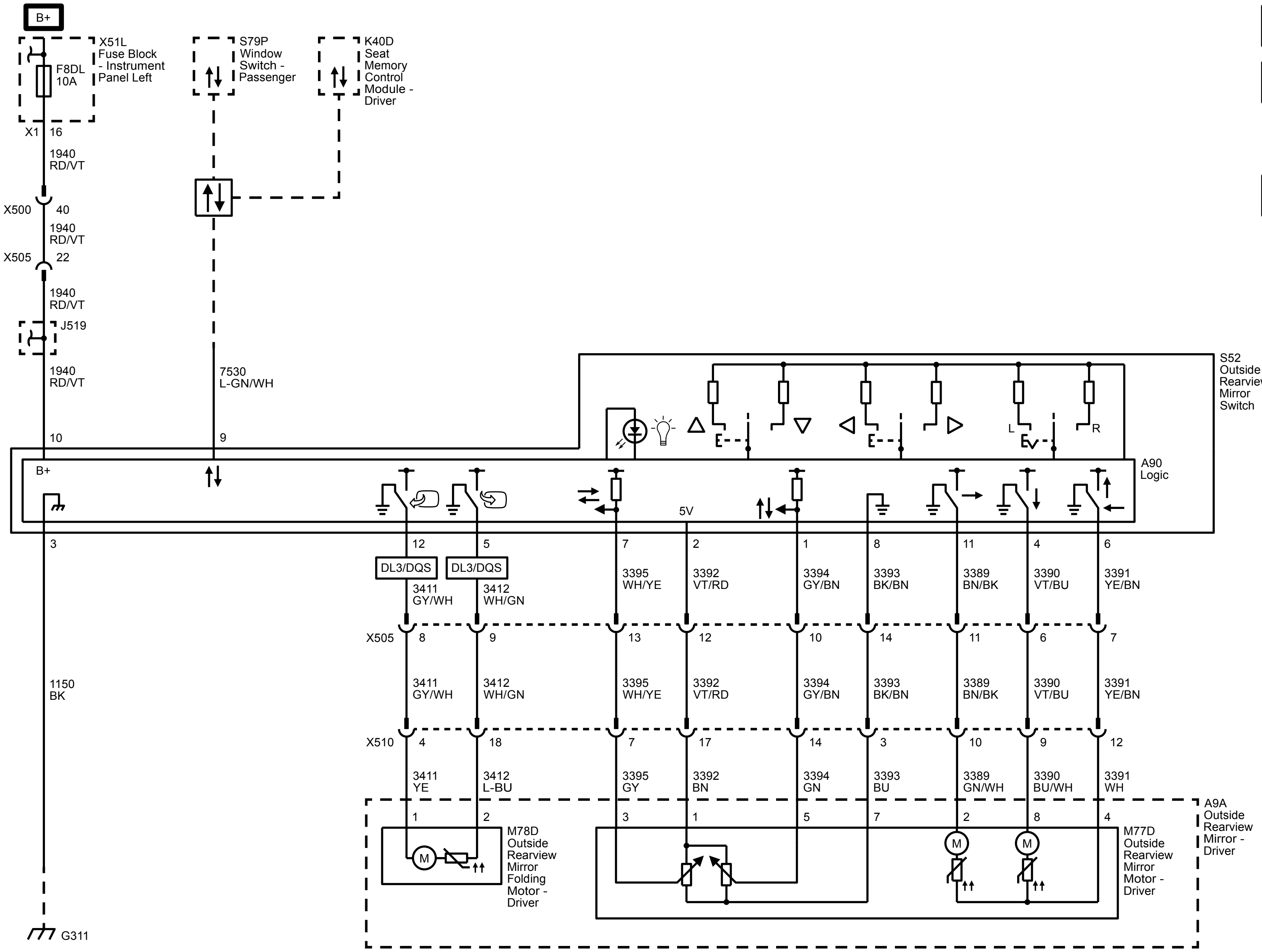
Inside Rearview Mirror Schematics

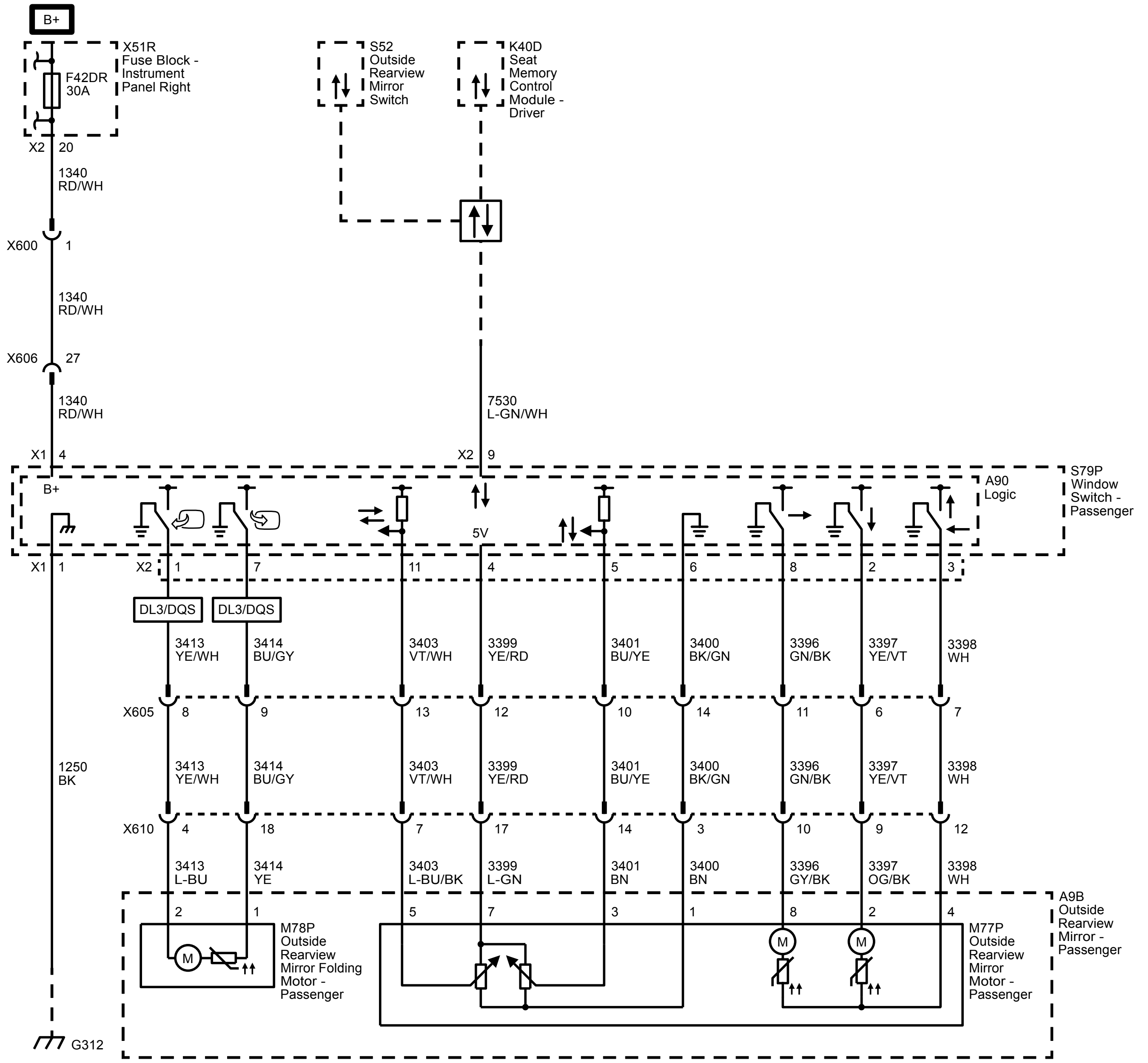
Inside Rearview Mirror


KR73
Ignition
Main
Relay
X51L
Fuse Block
- Instrument
Panel Left
F31DL
10A
X3
13
KR61
Trailer Backup
Lamps Relay
X50A
Fuse Block -
Underhood
F33UA
10A
X4
A3
24
L-GN/WH
J380
24
L-GN/WH
1739
VT/GN
Outside
Rearview
Mirror
Schematics
X2
15
X61A
Junction
Block -
Instrument
Panel
X3
13
1690
YE/WH
1691
BK/YE
24
GN/RD
OnStar/
Telematics
Schematics
2516
YE/BN
2517
BN/WH
2514
GN/BU
2515
GN/BK
DD8
DL3
DL3
DD8
UE1
UE1
UE1
UE1
2
9
8
1
6
7
3
4
A10
Inside
Rearview
Mirror
IGN
R
A90
Logic
1.5K Ω
1.5K Ω
10K Ω
S51
Telematics
Button
Assembly
SOS
A1
Mirror Dimming
5
1050
BK
G210

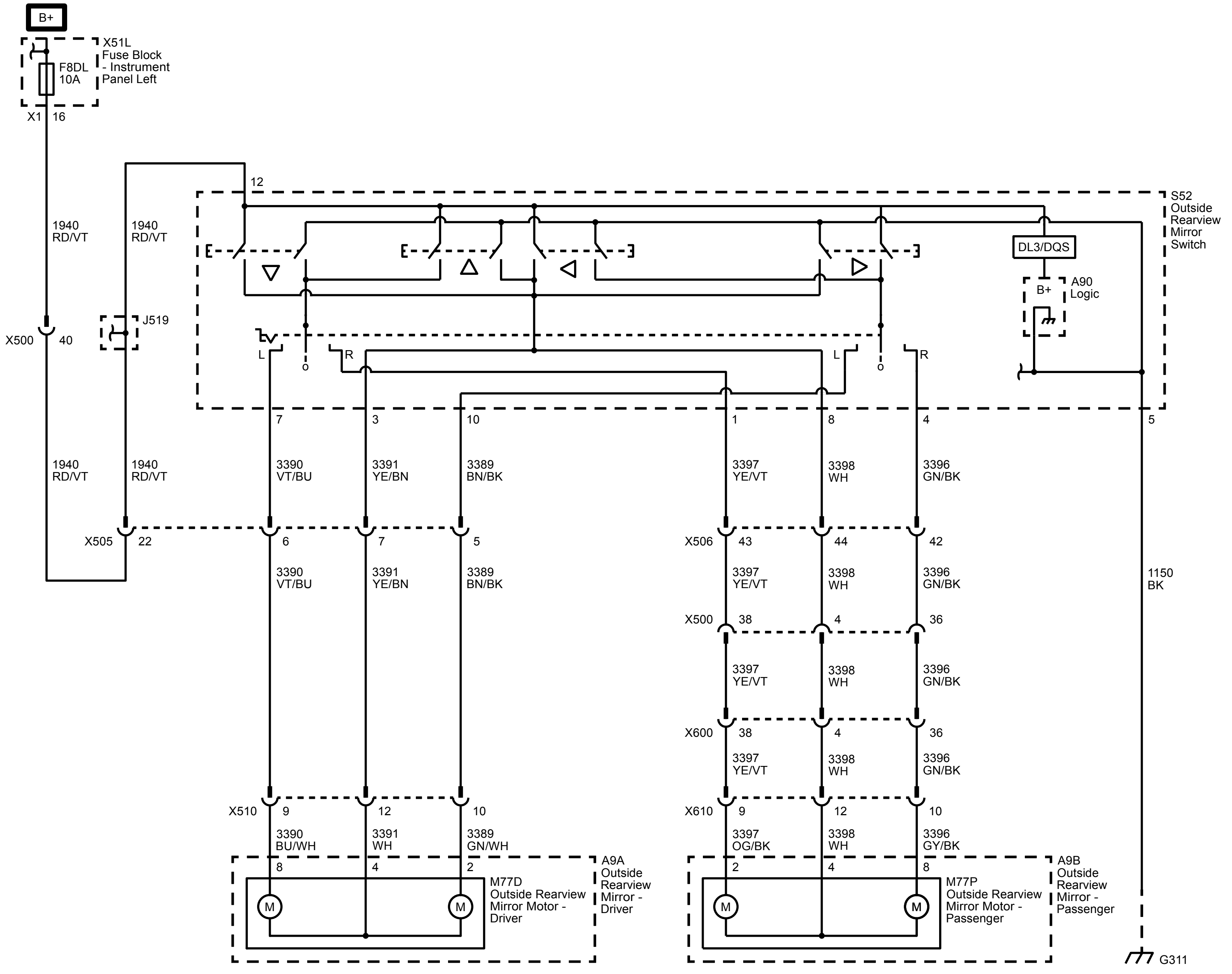
Outside Rearview Mirror Schematics

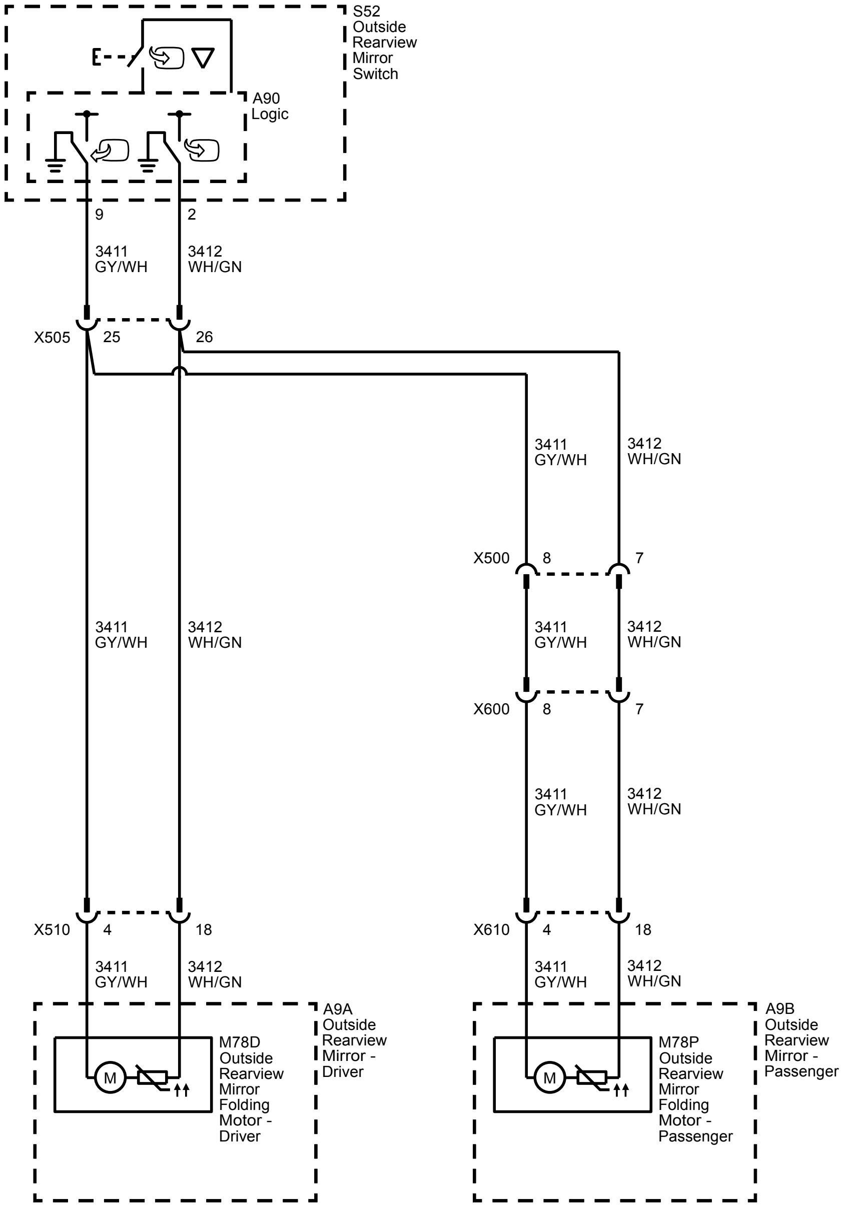
Controls and Driver (A45)


B+
X51L
Fuse Block
- Instrument
Panel Left
F8DL
10A
X1
16
1940
RD/VT
X500
40
1940
RD/VT
X505
22
1940
RD/VT
J519
1940
RD/VT
10
S79P
Window
Switch -
Passenger
K40D
Seat
Memory
Control
Module -
Driver
7530
L-GN/WH
9
S52
Outside
Rearview
Mirror
Switch
L
R
A90
Logic
B+
5V
3
12
5
7
2
1
8
11
4
6
DL3/DQS
DL3/DQS
3411
GY/WH
3412
WH/GN
3395
WH/YE
3392
VT/RD
3394
GY/BN
3393
BK/BN
3389
BN/BK
3390
VT/BU
3391
YE/BN
X505
8
9
13
12
10
14
11
6
7
1150
BK
3411
GY/WH
3412
WH/GN
3395
WH/YE
3392
VT/RD
3394
GY/BN
3393
BK/BN
3389
BN/BK
3390
VT/BU
3391
YE/BN
X510
4
18
7
17
14
3
10
9
12
3411
YE
3412
L-BU
3395
GY
3392
BN
3394
GN
3393
BU
3389
GN/WH
3390
BU/WH
3391
WH
A9A
Outside
Rearview
Mirror -
Driver
1
2
M
M78D
Outside
Rearview
Mirror
Folding
Motor -
Driver
3
1
5
7
2
8
4
M
M
M77D
Outside
Rearview
Mirror
Motor -
Driver
G311

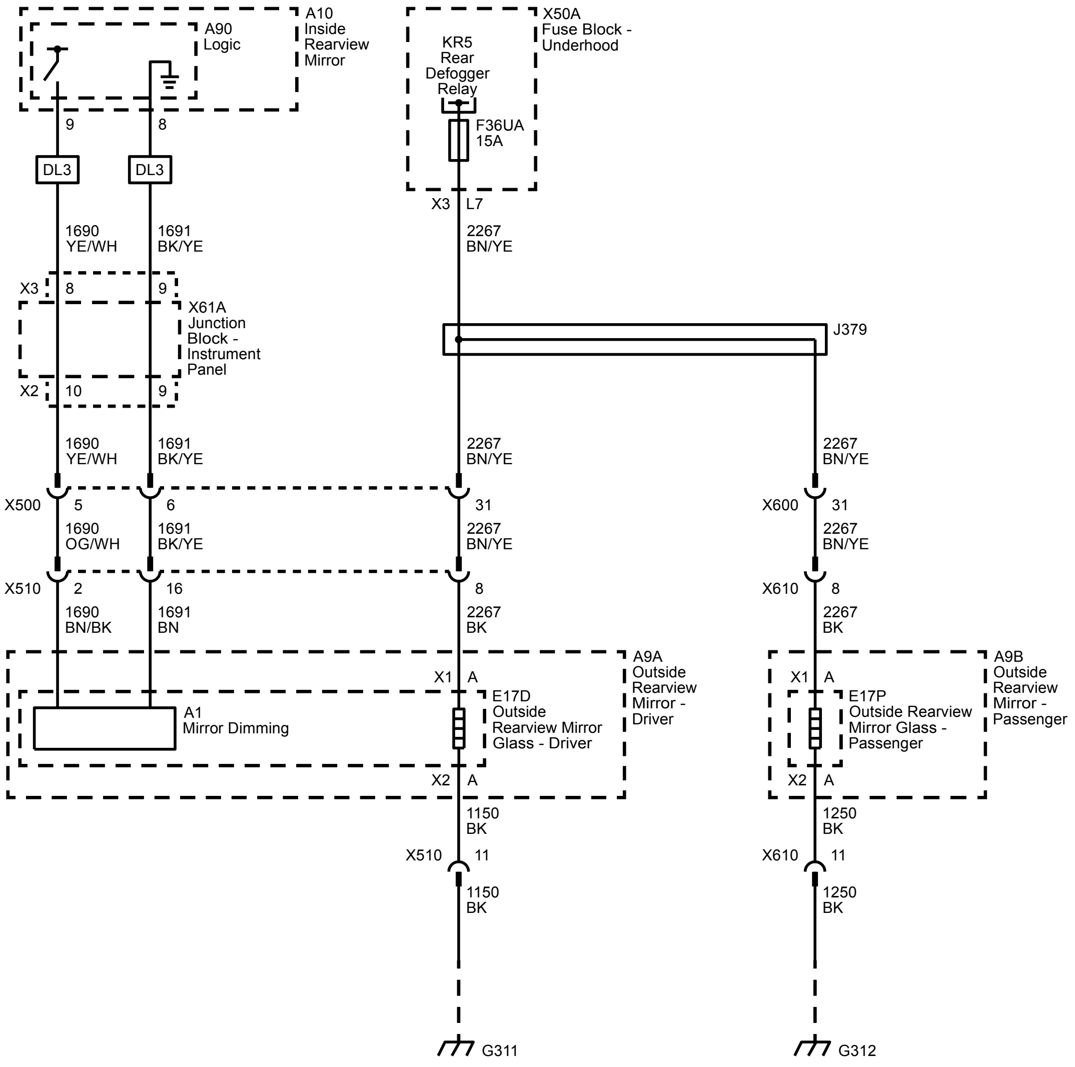

B+
X51R
Fuse Block -
Instrument
Panel Right
F42DR
30A
X2 20
1340
RD/WH
X600 1
1340
RD/WH
X606 27
1340
RD/WH
X1 4
S52
Outside
Rearview
Mirror
Switch
K40D
Seat
Memory
Control
Module -
Driver
7530
L-GN/WH
X2 9
A90
Logic
S79P
Window
Switch -
Passenger
B+
5V
X1 1
X2 1 7 11 4 5 6 8 2 3
DL3/DQS
DL3/DQS
3413 YE/WH
3414 BU/GY
3403 VT/WH
3399 YE/RD
3401 BU/YE
3400 BK/GN
3396 GN/BK
3397 YE/VT
3398 WH
1250
BK
X605 8 9 13 12 10 14 11 6 7
3413 YE/WH
3414 BU/GY
3403 VT/WH
3399 YE/RD
3401 BU/YE
3400 BK/GN
3396 GN/BK
3397 YE/VT
3398 WH
X610 4 18 7 17 14 3 10 9 12
3413 L-BU
3414 YE
3403 L-BU/BK
3399 L-GN
3401 BN
3400 BN
3396 GY/BK
3397 OG/BK
3398 WH
A9B
Outside
Rearview
Mirror -
Passenger
2 1 5 7 3 1 8 2 4
M
M78P
Outside
Rearview
Mirror Folding
Motor -
Passenger
M
M
M77P
Outside
Rearview
Mirror
Motor -
Passenger
G312

Position (DL3, DL8, DPN or DQS) without (A45)


B+
X51L
Fuse Block
- Instrument
Panel Left
F8DL
10A
X1 16
12
1940
RD/VT
1940
RD/VT
S52
Outside
Rearview
Mirror
Switch
DL3/DQS
B+
A90
Logic
X500 40
J519
L
o
R
L
o
R
7
3
10
1
8
4
5
1940
RD/VT
1940
RD/VT
3390
VT/BU
3391
YE/BN
3389
BN/BK
3397
YE/VT
3398
WH
3396
GN/BK
X505 22
6
7
5
X506 43
44
42
3390
VT/BU
3391
YE/BN
3389
BN/BK
3397
YE/VT
3398
WH
3396
GN/BK
1150
BK
X500 38
4
36
3397
YE/VT
3398
WH
3396
GN/BK
X600 38
4
36
3397
YE/VT
3398
WH
3396
GN/BK
X510 9
12
10
X610 9
12
10
3390
BU/WH
3391
WH
3389
GN/WH
3397
OG/BK
3398
WH
3396
GY/BK
8
4
2
2
4
8
M
M
M77D
Outside Rearview
Mirror Motor -
Driver
A9A
Outside
Rearview
Mirror -
Driver
M
M
M77P
Outside Rearview
Mirror Motor -
Passenger
A9B
Outside
Rearview
Mirror -
Passenger
G311


S52
Outside
Rearview
Mirror
Switch
A90
Logic
9
2
3411
GY/WH
3412
WH/GN
X505
25
26
3411
GY/WH
3412
WH/GN
X500
8
7
3411
GY/WH
3412
WH/GN
X600
8
7
3411
GY/WH
3412
WH/GN
3411
GY/WH
3412
WH/GN
X510
4
18
3411
GY/WH
3412
WH/GN
X610
4
18
3411
GY/WH
3412
WH/GN
A9A
Outside
Rearview
Mirror -
Driver
M
M78D
Outside
Rearview
Mirror
Folding
Motor -
Driver
A9B
Outside
Rearview
Mirror -
Passenger
M
M78P
Outside
Rearview
Mirror
Folding
Motor -
Passenger

Dimming (DL3) and Heating (DL8, DL3, DPN or DQS)


A10
Inside
Rearview
Mirror
A90
Logic
9
8
DL3
DL3
1690
YE/WH
1691
BK/YE
X3
8
9
X61A
Junction
Block -
Instrument
Panel
X2
10
9
1690
YE/WH
1691
BK/YE
X50A
Fuse Block -
Underhood
KR5
Rear
Defogger
Relay
F36UA
15A
X3
L7
2267
BN/YE
J379
2267
BN/YE
2267
BN/YE
X500
5
6
31
1690
OG/WH
1691
BK/YE
2267
BN/YE
X600
31
2267
BN/YE
X510
2
16
8
1690
BN/BK
1691
BN
2267
BK
X610
8
2267
BK
A9A
Outside
Rearview
Mirror -
Driver
X1
A
A1
Mirror Dimming
E17D
Outside
Rearview Mirror
Glass - Driver
X2
A
1150
BK
X510
11
1150
BK
G311
A9B
Outside
Rearview
Mirror -
Passenger
X1
A
E17P
Outside Rearview
Mirror Glass -
Passenger
X2
A
1250
BK
X610
11
1250
BK
G312

Description and Operation

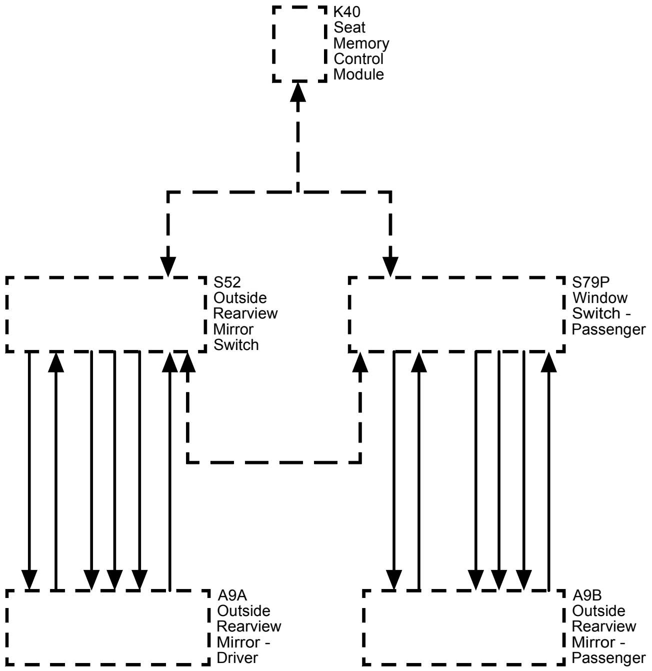
Outside Mirror Description and Operation (With A45)

Power Mirror System Components

The power mirror system consists of the following components:

- Memory Seat Control Module
- Outside Rearview Mirror Switch
- Passenger Window Switch
- Driver Outside Rearview Mirror
- Passenger Outside Rearview Mirror

Power Mirrors with A45 Block Diagram


K40 Seat Memory Control Module
S52 Outside Rearview Mirror Switch
S79P Window Switch - Passenger
A9A Outside Rearview Mirror - Driver
A9B Outside Rearview Mirror - Passenger

Power Mirror System Controls

The outside mirror switch and passenger window switch are on a serial data circuit with the memory seat control module as the master. The mirror select and directional control switches are inputs to the memory seat module through the serial data circuit. When the memory seat module receives switch inputs from the outside mirror switch, mirror output commands are sent to the appropriate switch through the serial data circuit. The outside mirror switch and passenger window switch control the left and right outside rear view mirrors through bi-directional motor control circuits. The motor control circuits are floating while in an inactive state and the switches will apply power and ground to the control circuits as necessary to move the mirror in the commanded direction.

Mirror position is determined by both horizontal and vertical position sensors in each of the power mirrors. The outside mirror switch and passenger window switch supply a 5 V reference, low reference, and horizontal and vertical position signal circuits to these sensors. The signal circuits are referenced from 5 V by the switches and the signal circuit voltage levels represent the mirror positions. The mirror positions are sent to the memory seat module through the serial data circuit where they are stored for memory mirror operation. When the memory seat module receives a memory recall command, the memory seat module will send the go to position commands to the outside mirror switch and passenger window switch. The switches will then drive the appropriate mirror motors to the commanded position sensor settings.

Heated Mirrors

The heated mirrors are controlled through the rear defog relay. Whenever the rear window defogger is turned on battery voltage is supplied to the mirror heater elements through the left and right mirror heater element control circuits.

Outside Mirror Description and Operation (Without A45)

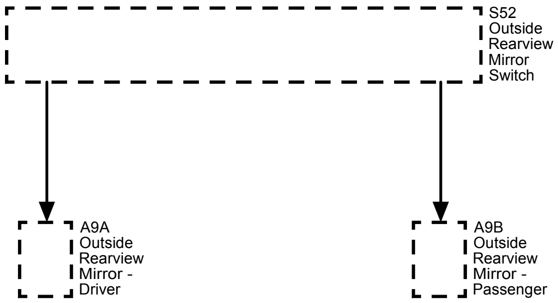
Power Mirror System Components

The power mirror system consists of the following components:

- Mirror direction switch — Controls the left, right, up and down movements of the mirrors
- Mirror select switch — Allows the operator to select the mirror to be moved
- Left outside mirror — Contains both the horizontal and vertical mirror motors
- Right outside mirror — Contains both the horizontal and vertical mirror motors

Each of the outside power mirrors contains 2 motors. The up-down motor operates the vertical directions and the left-right motor operates the horizontal directions. Each of the power mirror motors are internally circuit breaker protected.

Power Mirros Without A45 Block Diagram



Power Mirror System Controls

The outside mirror switch incorporates a mirror select switch and a 4 position mirror direction switch.

The mirror select switch allows the driver to select the mirror to be moved by turning the switch to L position enabling the left outside mirror or turning the switch to R position enabling the right outside mirror.

The mirror direction switch is a 4 position switch that allows the operator to move the selected mirror up, down, left or right.

Power Mirror System Operation

The outside mirror switch receives power through the battery positive voltage circuit from the underhood fuse block. The outside mirror switch also receives a constant ground.

The 4 positions of the direction switch have multiple switch contacts. When not in use, the directional contacts are isolated from any circuit. Each of the contacts are connected to opposing sides of the appropriate mirror motors through the selector switch. The selector switch interrupts or completes these circuits depending on the position of the selector switch, L or R.

If the mirror select switch is placed in the L position and the up switch is pressed, battery voltage will be supplied to the driver outside mirror vertical motor through the driver mirror motor up control circuit and return to the mirror switch through the driver mirror motor left/down control circuit, then to ground and the mirror will move up. If the down switch is pressed, the driver mirror motor left/down control circuit supplies battery voltage and the driver mirror motor up control circuit completes the path to the mirror switch, then to ground and the mirror will move down.

The remainder of the mirror functions operate in the same manner as described above. Placing the mirror control switch in opposing positions, left/right or up/down, will reverse the voltage polarity to the mirror motor, utilizing the same circuits and the mirror will move accordingly.

Heated Mirrors

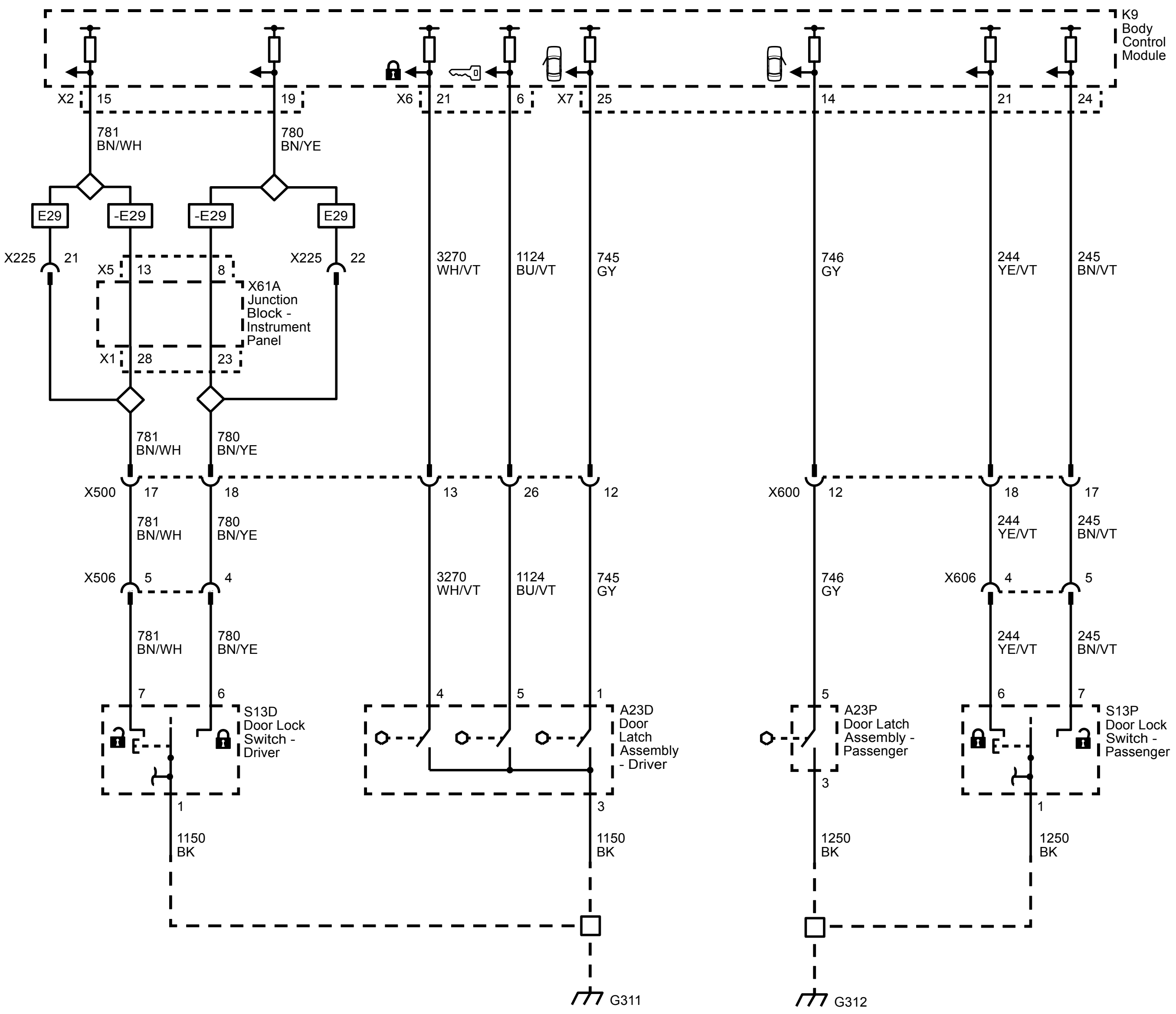
The heated mirrors are controlled through the rear defog relay. Whenever the rear window defogger is turned ON, battery voltage is supplied to the mirror heater elements through the left and right mirror heater element control circuits.

Vehicle Access

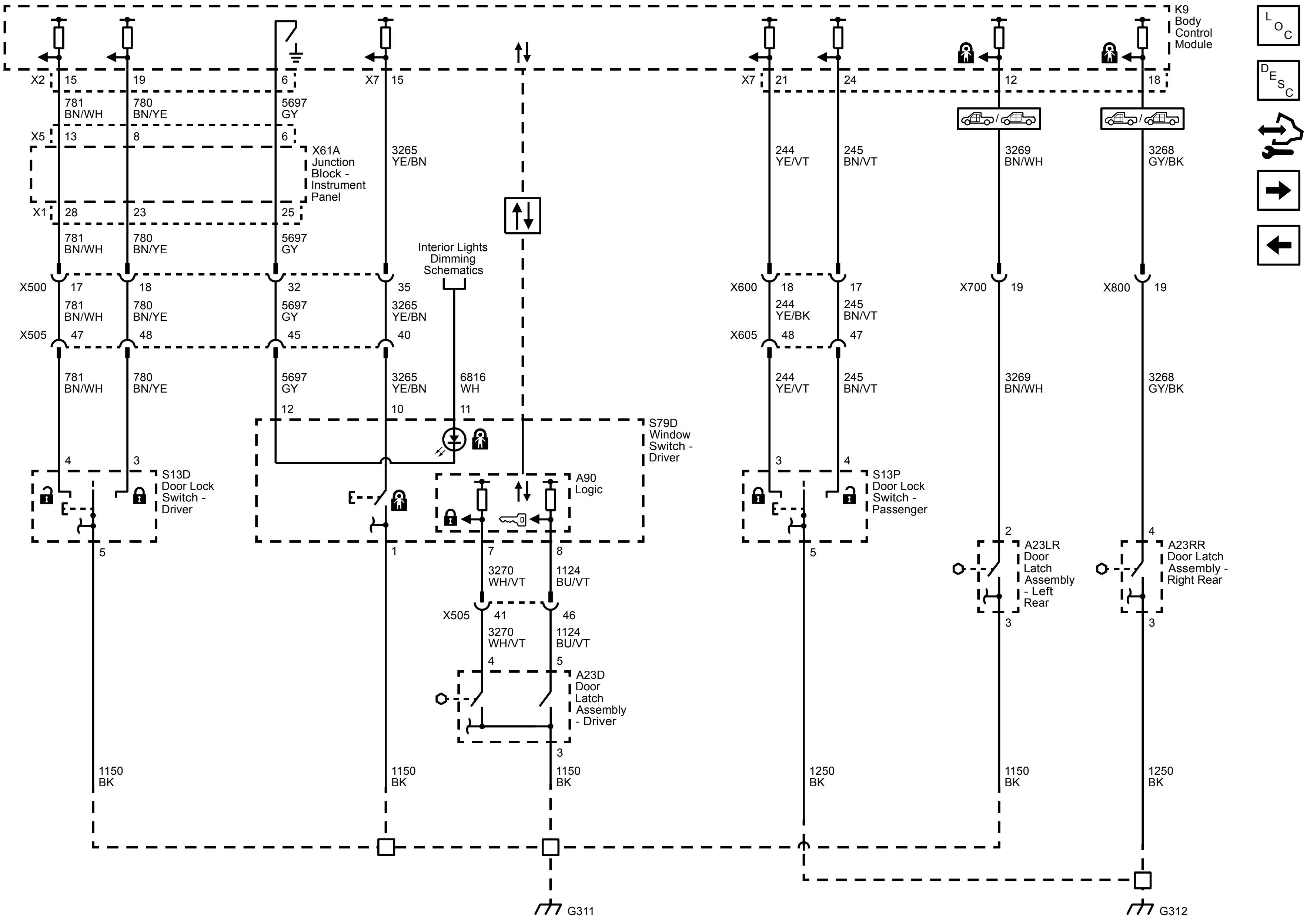
Schematic and Routing Diagrams

Door Lock/Indicator Schematics

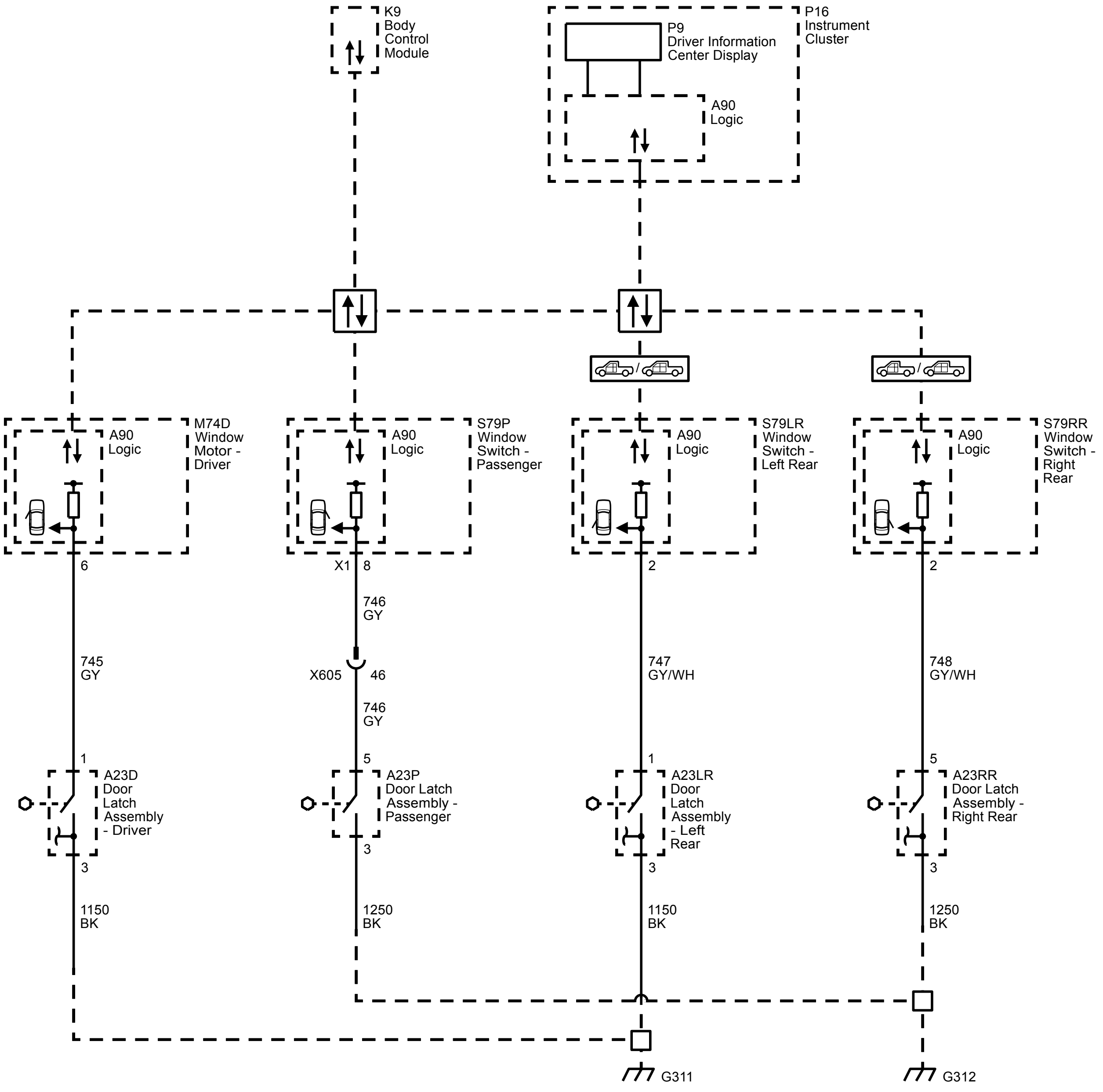
Switches and Indicators (without A31)

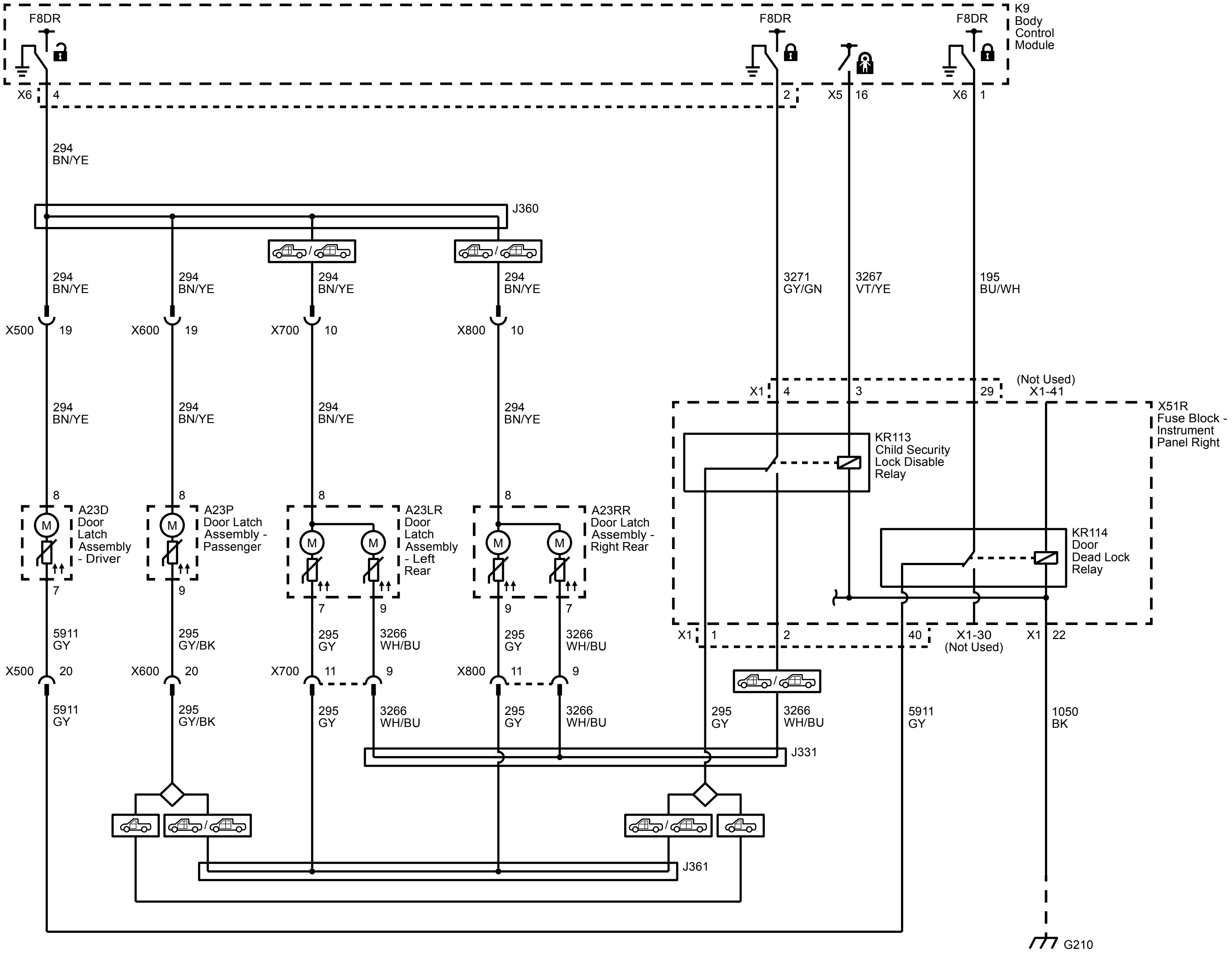

K9
Body
Control
Module
X2
15
19
X6
21
6
X7
25
14
21
24
781
BN/WH
780
BN/YE
E29
-E29
-E29
E29
X225
21
X225
22
X5
13
8
X61A
Junction
Block -
Instrument
Panel
X1
28
23
3270
WH/VT
1124
BU/VT
745
GY
746
GY
244
YE/VT
245
BN/VT
781
BN/WH
780
BN/YE
X500
17
18
13
26
12
X600
12
18
17
781
BN/WH
780
BN/YE
X506
5
4
3270
WH/VT
1124
BU/VT
745
GY
746
GY
244
YE/VT
245
BN/VT
X606
4
5
781
BN/WH
780
BN/YE
244
YE/VT
245
BN/VT
7
6
S13D
Door Lock
Switch -
Driver
4
5
1
A23D
Door
Latch
Assembly
- Driver
5
A23P
Door Latch
Assembly -
Passenger
6
7
S13P
Door Lock
Switch -
Passenger
1
3
3
1
1150
BK
1150
BK
1250
BK
1250
BK
G311
G312

Switches and Child Lock Status (A31)


K9 Body Control Module
X2 15
19
6
X7 15
X7 21
24
12
18
781 BN/WH
780 BN/YE
5697 GY
X5 13
8
6
X61A Junction Block - Instrument Panel
X1 28
23
25
3265 YE/BN
244 YE/VT
245 BN/VT
3269 BN/WH
3268 GY/BK
Interior Lights Dimming Schematics
X500 17
18
32
35
X600 18
17
X700 19
X800 19
244 YE/BK
X505 47
48
45
40
X605 48
47
6816 WH
12
10
11
S79D Window Switch - Driver
4
3
S13D Door Lock Switch - Driver
A90 Logic
S13P Door Lock Switch - Passenger
2
A23LR Door Latch Assembly - Left Rear
4
A23RR Door Latch Assembly - Right Rear
5
1
7
8
3270 WH/VT
1124 BU/VT
X505 41
46
4
5
A23D Door Latch Assembly - Driver
3
1150 BK
1250 BK
G311
G312
L O C
D E S C

Indicators (A31)


K9
Body
Control
Module
P16
Instrument
Cluster
P9
Driver Information
Center Display
A90
Logic
A90
Logic
M74D
Window
Motor -
Driver
A90
Logic
S79P
Window
Switch -
Passenger
A90
Logic
S79LR
Window
Switch -
Left Rear
A90
Logic
S79RR
Window
Switch -
Right
Rear
6
X1
8
2
2
746
GY
745
GY
X605
46
747
GY/WH
748
GY/WH
746
GY
1
5
1
5
A23D
Door
Latch
Assembly
- Driver
A23P
Door Latch
Assembly -
Passenger
A23LR
Door
Latch
Assembly
- Left
Rear
A23RR
Door Latch
Assembly -
Right Rear
3
3
3
3
1150
BK
1250
BK
1150
BK
1250
BK
G311
G312


K9 Body Control Module
F8DR
F8DR
F8DR
X6 4
2
X5 16
X6 1
294 BN/YE
J360
3271 GY/GN
3267 VT/YE
195 BU/WH
X500 19
X600 19
X700 10
X800 10
(Not Used) X1-41
X1 4
3
29
X51R Fuse Block - Instrument Panel Right
KR113 Child Security Lock Disable Relay
KR114 Door Dead Lock Relay
8
A23D Door Latch Assembly - Driver
A23P Door Latch Assembly - Passenger
A23LR Door Latch Assembly - Left Rear
A23RR Door Latch Assembly - Right Rear
M
7
9
5911 GY
295 GY/BK
295 GY
3266 WH/BU
X1 1
2
40
X1-30 (Not Used)
X1 22
X500 20
X600 20
X700 11
9
X800 11
9
1050 BK
J331
J361
G210

Description and Operation

Door Ajar Indicator Description and Operation

Door Ajar Indicator System Components

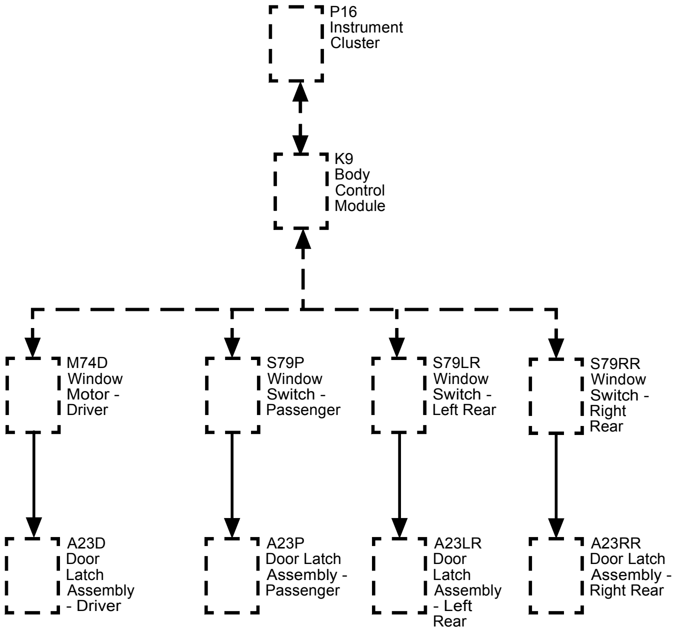
The door ajar indicator system consists of the following components:

- Body control module
- Instrument cluster
- Driver door latch
- Passenger door latch
- Left rear door latch
- Right rear door latch
- Driver window motor (AXG)
- Passenger window switch (AED)
- Left rear window switch (AEQ)
- Right rear window switch (AEQ)

Door Ajar System

Depending upon if the vehicle is a standard cab, extended cab or crew cab and/or is equipped with express up/down power windows or standard express down power windows or manual crank windows affects how the driver and passenger door ajar signal circuits are configured and monitored.

Door Ajar Indicator With AXG/AED/AEQ Block Diagram


P16 Instrument Cluster
K9 Body Control Module
M74D Window Motor - Driver
S79P Window Switch - Passenger
S79LR Window Switch - Left Rear
S79RR Window Switch - Right Rear
A23D Door Latch Assembly - Driver
A23P Door Latch Assembly - Passenger
A23LR Door Latch Assembly - Left Rear
A23RR Door Latch Assembly - Right Rear

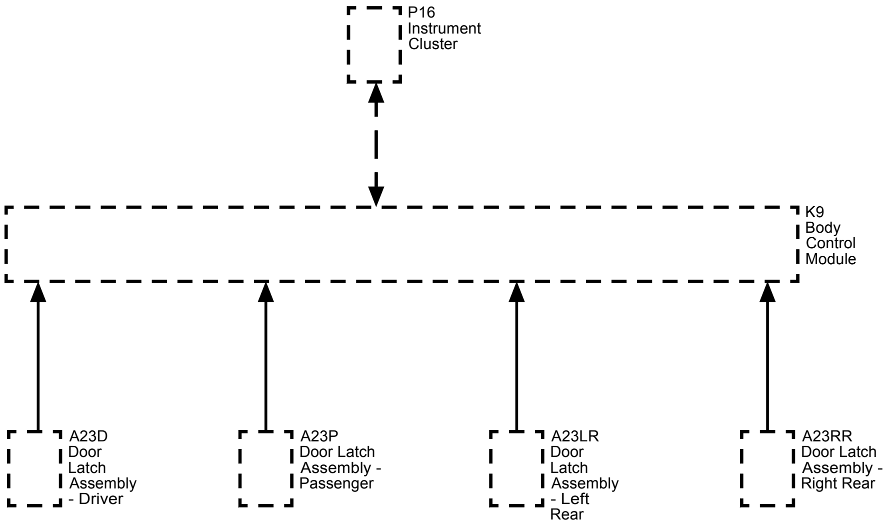
Driver Door Ajar (With AXG)

The driver window motor will provide a 12V signal to the driver door ajar switch within the door latch to indicate the status of the door. When the driver door is open, the contract within the ajar switch closes providing a ground part for the signal circuit. The driver window motor will detect the voltage drop in the ajar signal circuit and will send a serial data message to the body control module. The body control module will then send a message to the instrument cluster which will illuminate the door ajar icon.

Passenger and Rear Doors Ajar (With AED and AEQ)

The passenger and rear window switches provide a 12V signal to the respective door ajar switch within the door latch to indicate the status of the door. When the door is open, the contract within the ajar switch closes providing a ground part for the signal circuit. The window switch will detect the voltage drop in the ajar signal circuit and will send a serial data message to the body control module. The body control module will then send a message to the instrument cluster which will illuminate the door ajar icon.

Door Ajar Indicator Block Diagram


P16
Instrument
Cluster
K9
Body
Control
Module
A23D
Door
Latch
Assembly
- Driver
A23P
Door Latch
Assembly -
Passenger
A23LR
Door
Latch
Assembly
- Left
Rear
A23RR
Door Latch
Assembly -
Right Rear

Driver, Passenger and Rear Doors Ajar (Without AXG, AED or AEQ)

The body control module provides a 12V signal to each door ajar switch within the door latch to indicate the status of the door. When the door is open, the contract within the ajar switch closes providing a ground part for the signal circuit. The body control module will detect the voltage drop in the ajar signal circuit and will send a message to the instrument cluster which will illuminate the door ajar icon

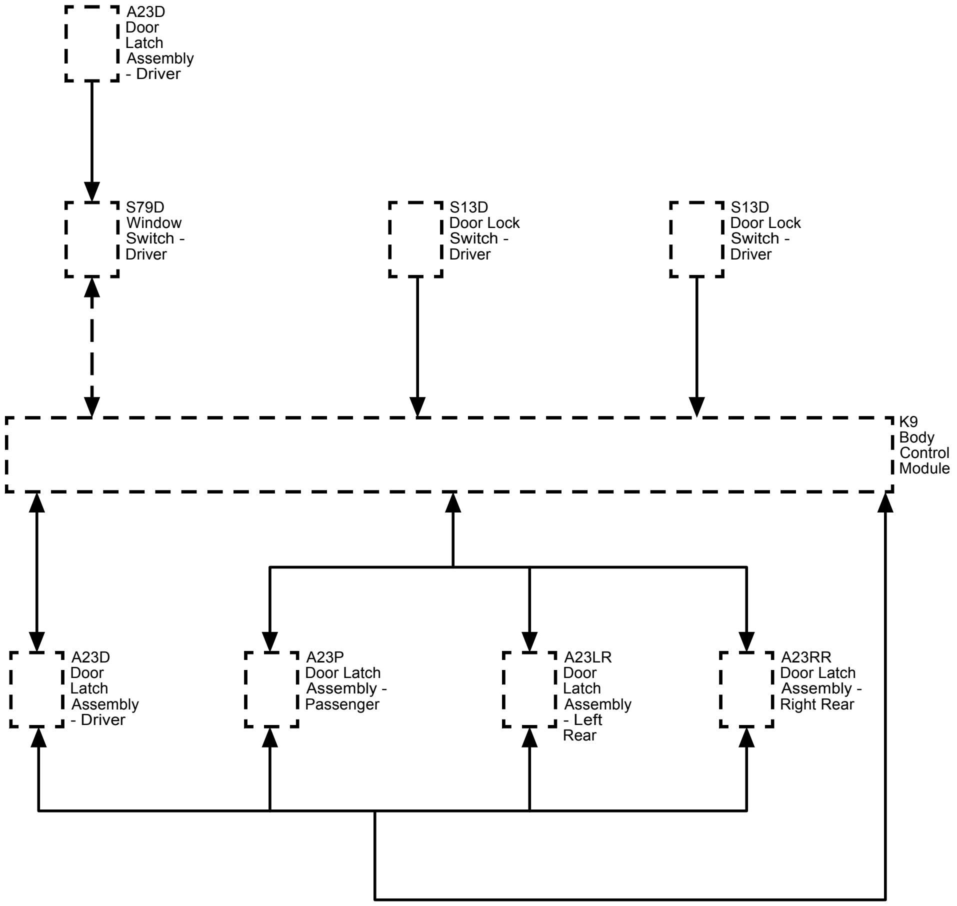
Power Door Locks Description and Operation

Door Lock System Components

The power door lock system consists of the following components:

- Driver door lock switch
- Driver door key cylinder switch (Part of the driver door latch assembly)
- Child door lockout switch (Part of the driver window switch)
- Passenger door lock switch
- Front door lock actuators
- Rear door lock actuators (Extended and crew cab models)
- Body control module (BCM)
- Keyless entry control module
- Keyless entry transmitter
- Right instrument panel fuse block (Contains child security lock disable PCB relay)

Power Door Locks Block Diagram


A23D Door Latch Assembly - Driver
S79D Window Switch - Driver
S13D Door Lock Switch - Driver
S13D Door Lock Switch - Driver
K9 Body Control Module
A23D Door Latch Assembly - Driver
A23P Door Latch Assembly - Passenger
A23LR Door Latch Assembly - Left Rear
A23RR Door Latch Assembly - Right Rear

Door Lock System Controls

The power door lock system can be controlled by any of the following:

- A door lock switch LOCK or UNLOCK activation
- A key cylinder switch unlock activation
- A keyless entry transmitter activation
- Pressing the driver door lock plunger flush with the door panel will lock all doors

Door Lock Operation

The BCM supplies a 12 volt signal to the lock and unlock signal circuits of the driver and passenger door lock switches. When the appropriate switch is pressed, a contact within the door lock switch closes providing a ground path for the signal circuit. The BCM will detect the voltage drop in the signal and will command the doors to perform the lock or unlock functions.

The driver door latch contains 2 internal switches and 2 signal circuits that are monitored by the BCM. One switch is controlled by the driver key cylinder switch, when the key is turned to the unlock position, a switch will close and the BCM will command the remaining doors to UNLOCK. The other switch is controlled by the driver door lock plunger, pressing the plunger flush with the door panel will close the switch, the switch will close and the BCM will command the remaining doors to LOCK

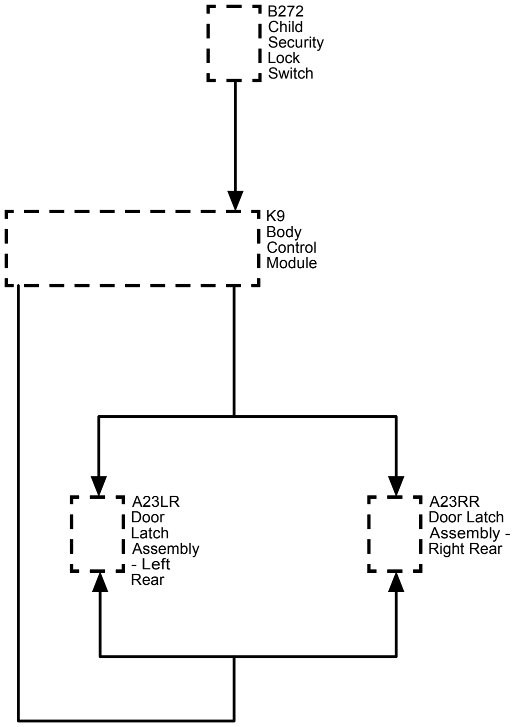
The BCM may also receive a LOCK or UNLOCK command from the keyless entry control module, refer to CELL Link Error - Link target cell (cell ID 52297) is invalid for this publication. for information on the keyless entry system

The BCM, upon receipt of a lock switch lock or unlock signal, will supply voltage to the door lock actuator lock or unlock control circuits. Since the opposite side of the lock actuator is connected to ground through the other lock actuator control circuit, the doors will then lock or unlock as commanded.

The following three circuits are used to operate the lock:

- Driver door unlock
- Passenger doors unlock
- All doors lock

Power Door Child Lock Block Diagram


B272 Child Security Lock Switch
K9 Body Control Module
A23LR Door Latch Assembly - Left Rear
A23RR Door Latch Assembly - Right Rear

Child Security Lockout Operation

The child door lockout switch (part of the driver window switch) controls the child lockout functions on the rear doors. The lockout switch is an input to the BCM and the BCM controls the child security lock disable PCB relay. When the BCM receives a command from the child door lockout switch, it will apply voltage to the relay coil, this will energize the relay and the contact within the relay will then direct the voltage to activate the left rear and right rear child locks and then isolate them from the normal door lock system to prevent the rear doors from being opened by using the interior rear door handles. An indicator will also illuminate to alert the driver that the child lockout system has been activated. Pushing the switch again will return normal function to the rear interior door handles and the indicator will go out.

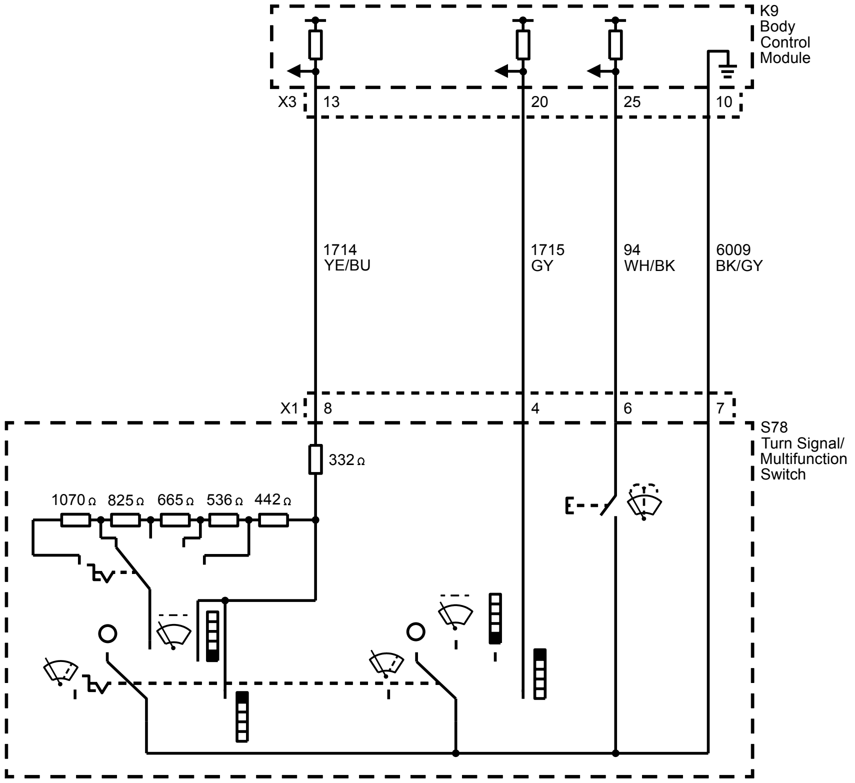
If the lockout indicator flashes while commanding the lockout system, indicates that the BCM has detected a fault in the system and that one or both interior rear door handles may not be locked out.

Wipers and Washers

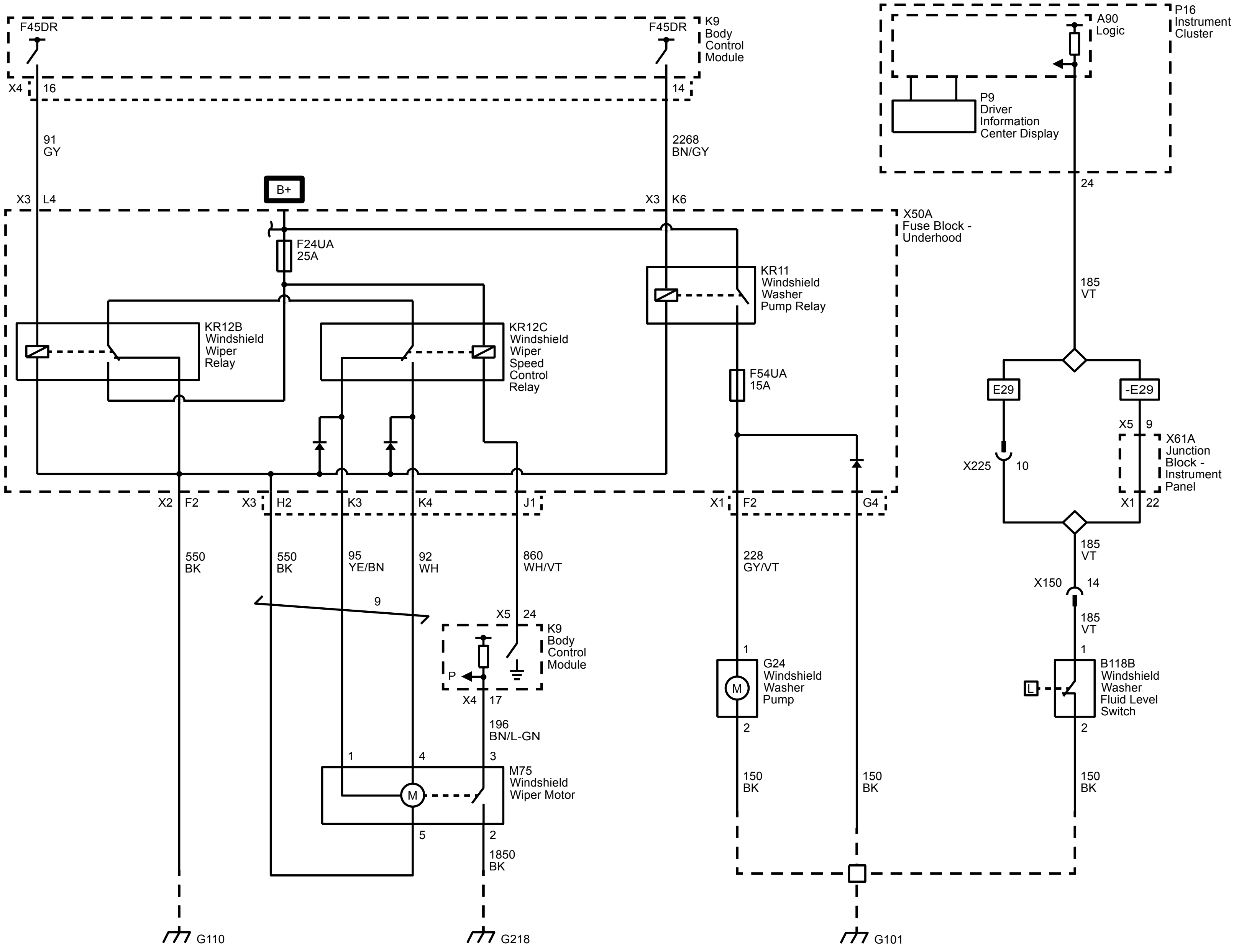
Schematic and Routing Diagrams

Wiper/Washer Schematics

Controls


K9
Body
Control
Module
X3
13
20
25
10
1714
YE/BU
1715
GY
94
WH/BK
6009
BK/GY
X1
8
4
6
7
S78
Turn Signal/
Multifunction
Switch
332 Ω
1070 Ω
825 Ω
665 Ω
536 Ω
442 Ω

Wiper Motor and Washer Pump


F45DR
F45DR
K9 Body Control Module
X4
16
14
P16 Instrument Cluster
A90 Logic
P9 Driver Information Center Display
24
91 GY
2268 BN/GY
B+
X3
L4
X3
K6
X50A Fuse Block - Underhood
F24UA 25A
KR11 Windshield Washer Pump Relay
185 VT
KR12B Windshield Wiper Relay
KR12C Windshield Wiper Speed Control Relay
F54UA 15A
E29
-E29
X5
9
X61A Junction Block - Instrument Panel
X225
10
X1
22
X2
F2
X3
H2
K3
K4
J1
X1
F2
G4
185 VT
X150
14
550 BK
550 BK
95 YE/BN
92 WH
860 WH/VT
228 GY/VT
9
X5
24
K9 Body Control Module
185 VT
P
X4
17
1
G24 Windshield Washer Pump
M
1
B118B Windshield Washer Fluid Level Switch
L
196 BN/L-GN
2
2
1
4
3
M75 Windshield Wiper Motor
M
150 BK
150 BK
150 BK
5
2
1850 BK
G110
G218
G101

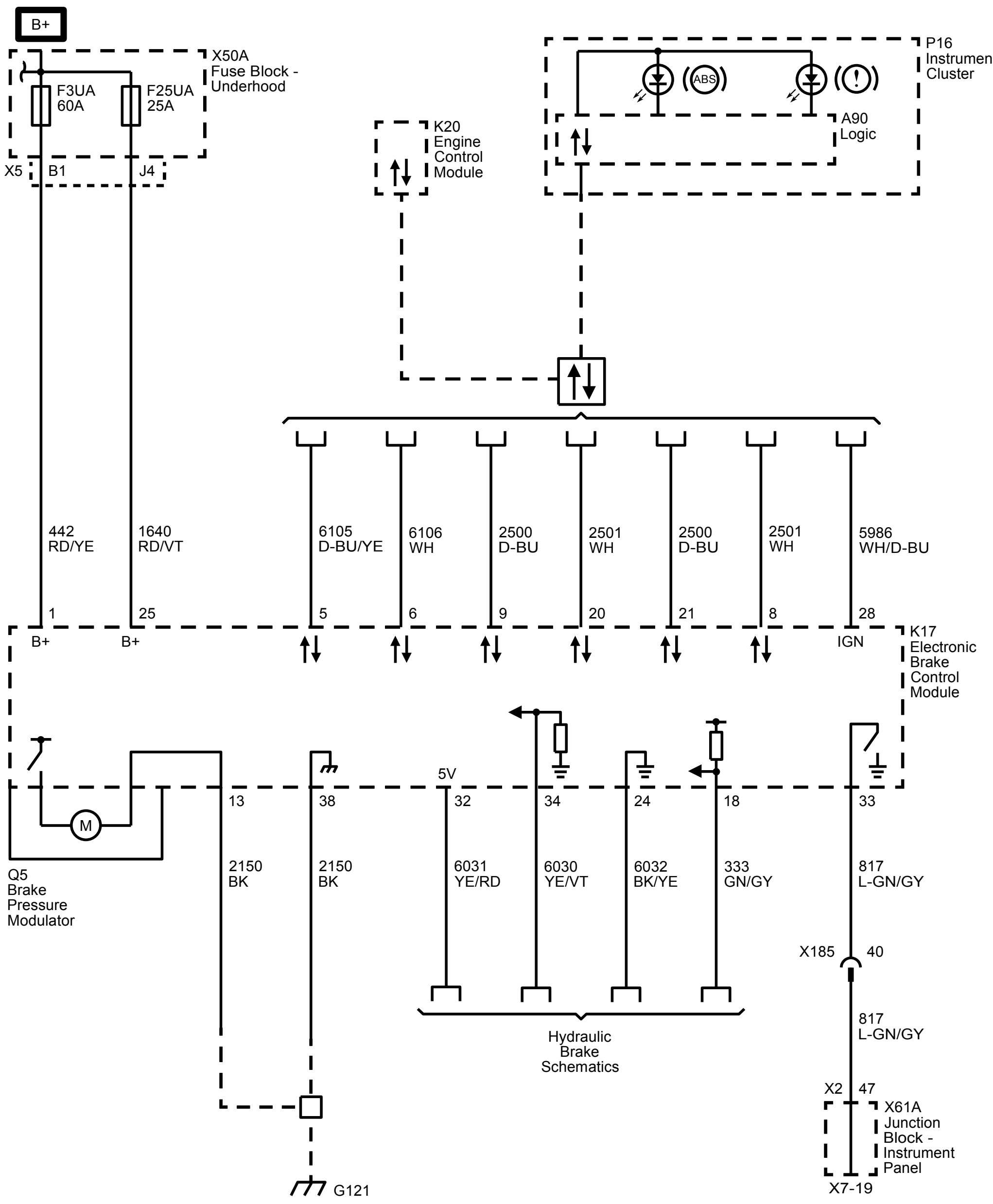
Brakes

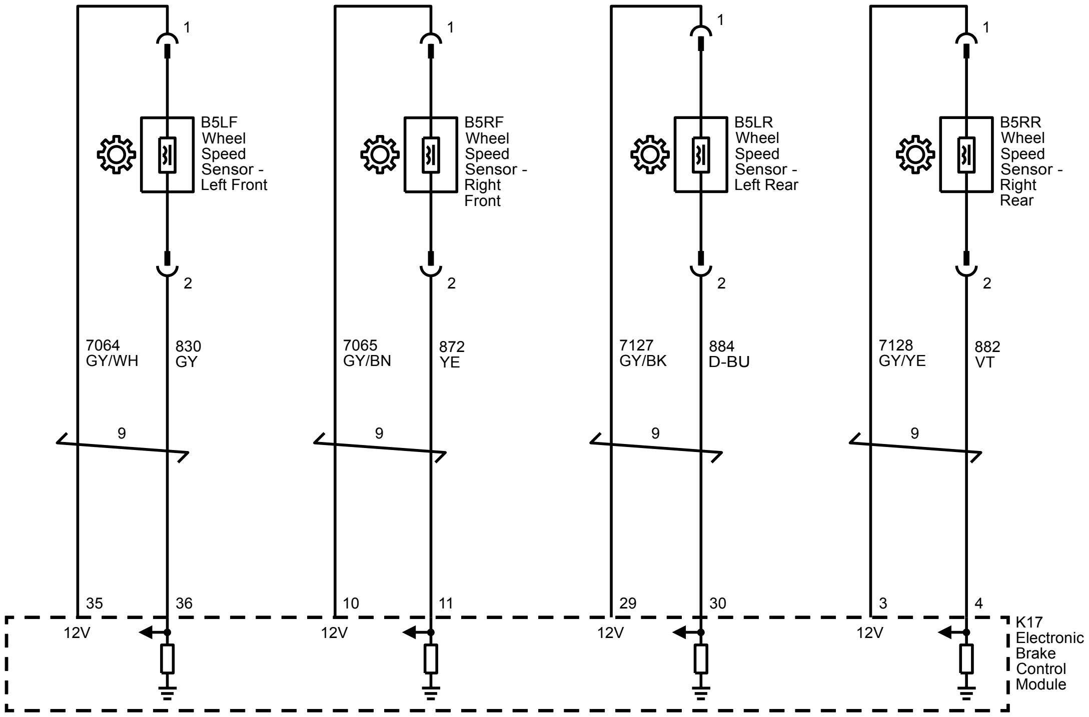
Antilock Brake System - Non-Hybrid Less than 3900 kg (8600 lb) GVW

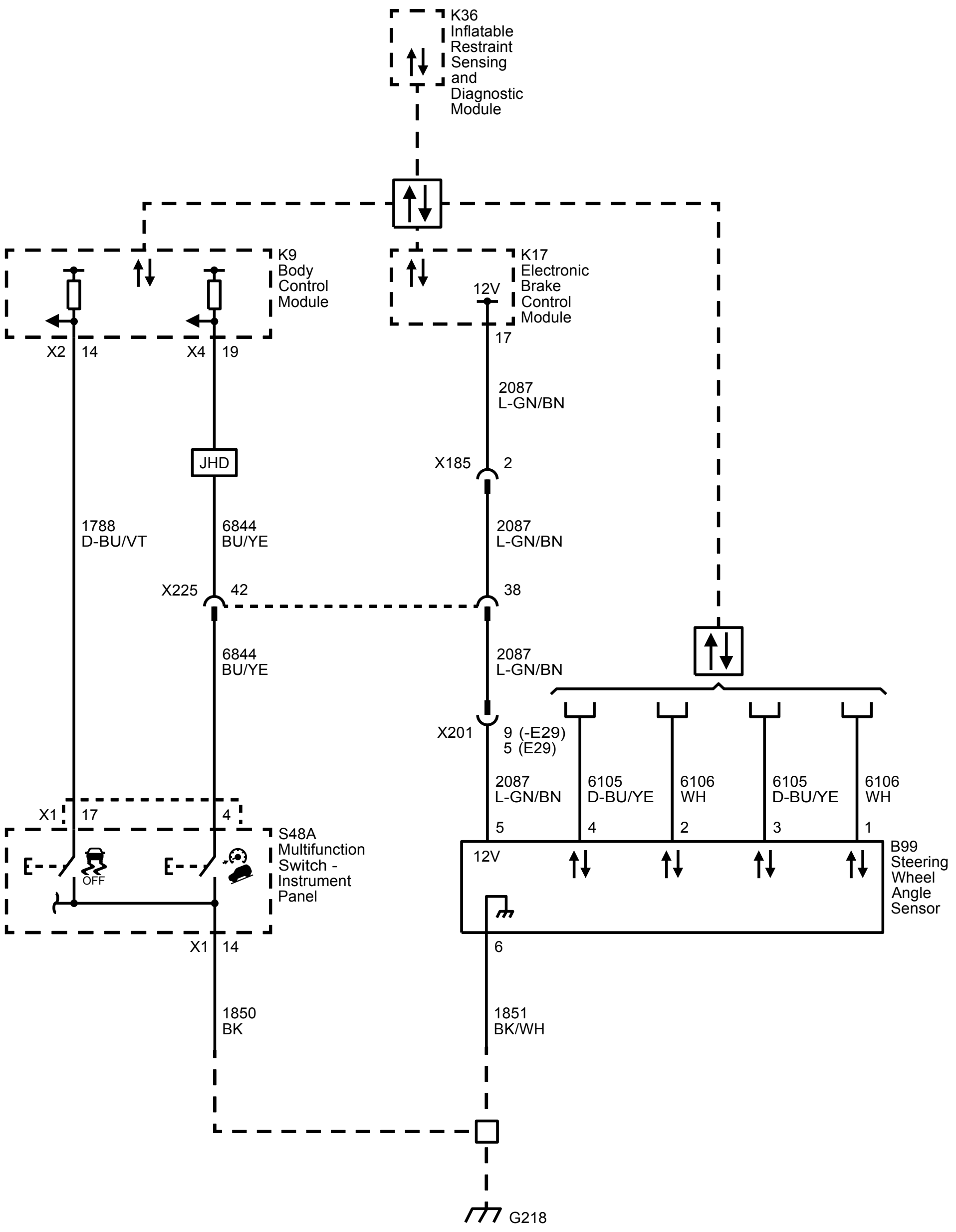
Schematic and Routing Diagrams

Antilock Brake System Schematics

Power, Ground, Serial Data and Traction Controls


B+
X50A
Fuse Block - Underhood
F3UA
60A
F25UA
25A
X5
B1
J4
K20
Engine
Control
Module
P16
Instrument
Cluster
ABS
!
A90
Logic
442
RD/YE
1640
RD/VT
6105
D-BU/YE
6106
WH
2500
D-BU
2501
WH
2500
D-BU
2501
WH
5986
WH/D-BU
1
25
5
6
9
20
21
8
28
B+
B+
IGN
K17
Electronic
Brake
Control
Module
M
5V
13
38
32
34
24
18
33
Q5
Brake
Pressure
Modulator
2150
BK
2150
BK
6031
YE/RD
6030
YE/VT
6032
BK/YE
333
GN/GY
817
L-GN/GY
X185
40
817
L-GN/GY
Hydraulic
Brake
Schematics
X2
47
X61A
Junction
Block -
Instrument
Panel
X7-19
G121


1
B5LF
Wheel
Speed
Sensor -
Left Front
2
7064
GY/WH
830
GY
9
35
36
12V
1
B5RF
Wheel
Speed
Sensor -
Right
Front
2
7065
GY/BN
872
YE
9
10
11
12V
1
B5LR
Wheel
Speed
Sensor -
Left Rear
2
7127
GY/BK
884
D-BU
9
29
30
12V
1
B5RR
Wheel
Speed
Sensor -
Right
Rear
2
7128
GY/YE
882
VT
9
3
4
12V
K17
Electronic
Brake
Control
Module

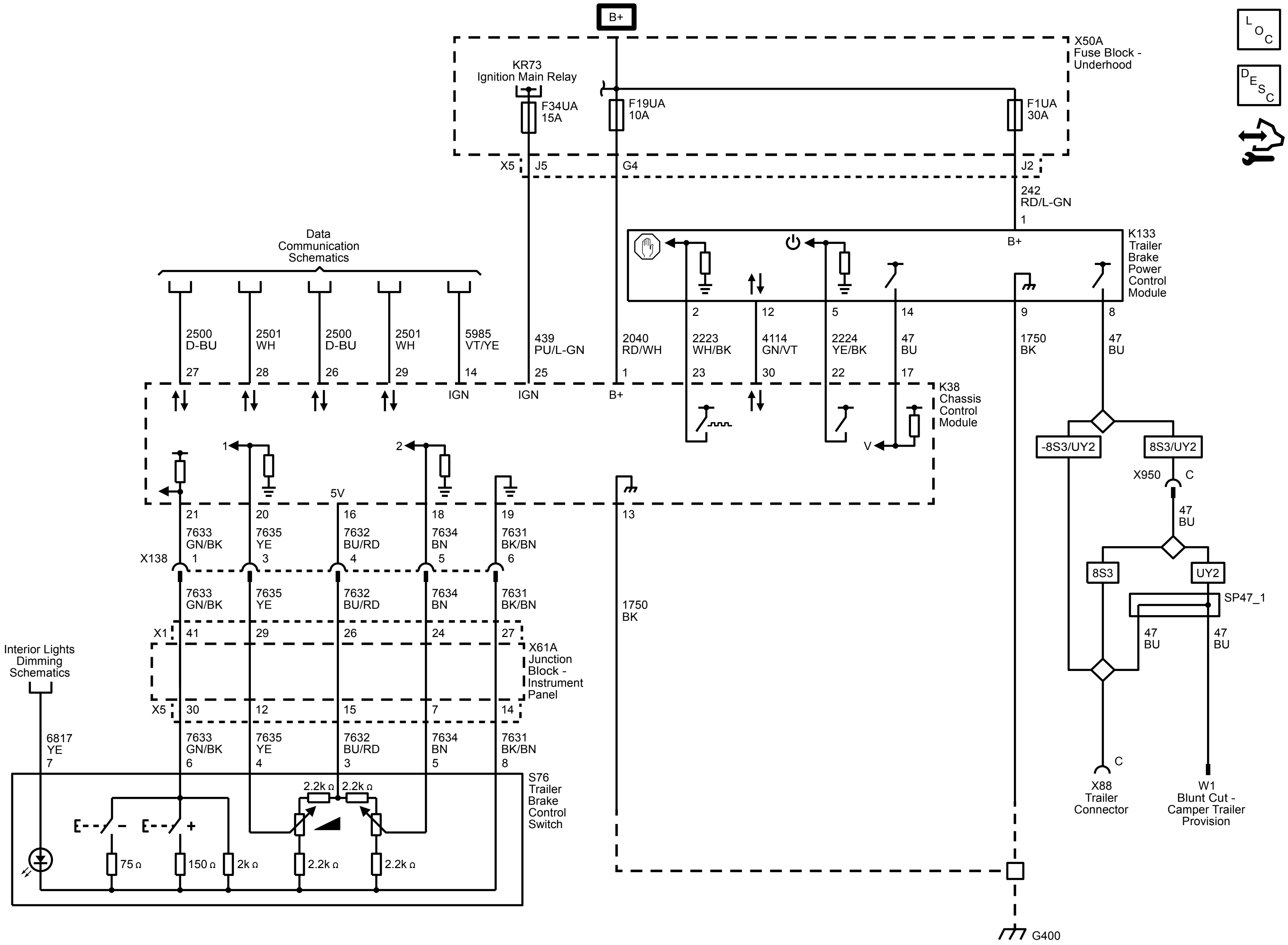

K36
Inflatable Restraint Sensing and Diagnostic Module
K9
Body Control Module
K17
Electronic Brake Control Module
12V
17
X2
14
X4
19
JHD
2087
L-GN/BN
X185
2
1788
D-BU/VT
6844
BU/YE
X225
42
38
X201
9 (-E29)
5 (E29)
6105
D-BU/YE
6106
WH
X1
17
4
5
4
2
3
1
S48A
Multifunction Switch - Instrument Panel
OFF
B99
Steering Wheel Angle Sensor
12V
6
X1
14
1850
BK
1851
BK/WH
G218

Trailer Brake Controls

Schematic and Routing Diagrams

Trailer Brake Control Schematics

Trailer Brake (JL1)


B+
X50A
Fuse Block - Underhood
KR73
Ignition Main Relay
F34UA
15A
F19UA
10A
F1UA
30A
X5
J5
G4
J2
242
RD/L-GN
1
K133
Trailer Brake Power Control Module
B+
2
12
5
14
9
8
Data Communication Schematics
2500
D-BU
2501
WH
2500
D-BU
2501
WH
5985
VT/YE
439
PU/L-GN
2040
RD/WH
2223
WH/BK
4114
GN/VT
2224
YE/BK
47
BU
1750
BK
47
BU
27
28
26
29
14
25
1
23
30
22
17
IGN
IGN
B+
K38
Chassis Control Module
V
1
2
5V
21
20
16
18
19
13
7633
GN/BK
7635
YE
7632
BU/RD
7634
BN
7631
BK/BN
X138
1
3
4
5
6
-8S3/UY2
8S3/UY2
X950
C
47
BU
8S3
UY2
SP47_1
47
BU
47
BU
7633
GN/BK
7635
YE
7632
BU/RD
7634
BN
7631
BK/BN
1750
BK
X1
41
29
26
24
27
X61A
Junction Block - Instrument Panel
X5
30
12
15
7
14
Interior Lights Dimming Schematics
6817
YE
7
7633
GN/BK
6
7635
YE
4
7632
BU/RD
3
7634
BN
5
7631
BK/BN
8
S76
Trailer Brake Control Switch
2.2k Ω
2.2k Ω
+
75 Ω
150 Ω
2k Ω
2.2k Ω
2.2k Ω
C
X88
Trailer Connector
W1
Blunt Cut - Camper Trailer Provision
G400

Description and Operation

Trailer Brake Controls Description and Operation

A trailer brake control system is used to control the amount of trailer braking power that is made available to trailers with brakes that require a controlled electrical output signal for actuation.

The power output to the trailer brakes is based on both the amount of braking being applied by the vehicle's brake system and on the type of trailer brakes detected.

The Trailer Brake Control System is compatible with two types of Trailer Brake Systems as listed below:

1. **Electric Brakes** A controlled electrical output signal energizes an electric-magnet/lever arm assembly that directly actuates the brake mechanism. The GDS name for this system is “Electromagnetic Brakes”.
2. **Electric Over Hydraulic Brakes** A controlled electrical output signal energizes a remote, trailer mounted hydraulic pump to build brake pressure in a closed hydraulic system on the trailer. The hydraulic fluid pressure actuates the brake mechanism. The GDS name for this system is “Electrohydraulic Brakes”.

Trailer Brake Output Versus Trailer Brake Type

- The trailer brake system characterizes the trailer brakes as either Electric Brake or Electric Over Hydraulic Brake automatically. This characterization may be affected by the number, type, and age of the trailer brake magnets, as well as any other devices installed on the trailer brakes (i.e. adapters for Electric Over Hydraulic brake functionality).
- The trailer brake system is fully operational with either characterization.
- Some features of the trailer brake system may be different based on the trailer brake type characterization. An example of this is at zero speed, where pressing the service brake pedal will produce output when the trailer brakes are characterized as Electric Brakes, but not when characterized as Electric Over Hydraulic Brakes.
- Sliding the manual trailer brake apply lever will produce output at zero speed for either characterization.

The user gain allows the driver to adjust the amount of trailer brake output to match the trailer load and road surface. The controller determines the desired trailer brake output and provides a control signal to the K133 Trailer Brake Power Control Module. The K133 Trailer Brake Power Control Module amplifies the signal and provides the output required to activate the Electric or Electric Over Hydraulic trailer brakes.

The trailer brake control can support up to a maximum of four axles with electric trailer brakes (8 brake magnets).

Connecting a trailer that is not compatible with the trailer brake system may result in reduced or complete loss of trailer braking. There may be an increase in stopping distance or trailer instability which could result in personal injury or damage to the vehicle, trailer or other property. An aftermarket controller may be available for use with trailers with surge or air trailer brake systems.

To determine the type of brakes on your trailer and the availability of controllers, check with your trailer manufacturer or dealer. Do not power up an aftermarket controller with the factory brake controller at the same time.

The vehicle is equipped with the following trailer braking components:

- K38 Chassis Control Module
- K133 Trailer Brake Power Control Module
- S76 Trailer Brake Control Panel
- Manual Trailer Brake Apply
- Trailer Gain Adjustment
- Trailer Brake Driver Information Center Display

Chassis Control Module

The K38 Chassis Control Module (CCM) is a serviceable GMLAN module. The chassis control module sends the low power commanded duty cycle signal to the trailer brake power control module. The trailer brake power control module amplifies the signal and provides an output that is required to drive the trailer brakes.

Trailer Brake Power Control Module

The K133 Trailer Brake Power Control Module (TBPM) is a solid state power switching module that supplies power to the trailer brakes at the input command duty cycle. Diagnostic messages are sent from the TBPM to the CCM on a dedicated LIN bus.

Trailer Brake Control Panel

The S76 Trailer Brake Control Panel contains the trailer gain and manual apply switches. It is located on the instrument panel to the left of the steering column. Refer to the instrument panel overview for more information on the location. The control panel and switches allows you to adjust the amount of output, referred to as trailer gain, available to the Electric or Electric Over Hydraulic brakes. It also allows you to manually apply the trailer brakes. The trailer brake control panel and switches are used along with the trailer brake display page on the driver information center to adjust and display power output to the trailer brakes.

Manual Trailer Brake Apply

The manual trailer brake apply lever is located on the S76 Trailer Brake Control Panel and is used to apply the trailer's Electric or Electric Over Hydraulic brakes independent of the vehicle's brakes. This lever is used in the trailer gain adjustment procedure to properly adjust the power output to the trailer brakes.

Sliding the lever to the left will apply only the trailer brakes. The power output to the trailer is indicated in the trailer brake display page in the Driver Information Center (DIC). If the vehicle's service brakes are applied while using the manual trailer brake apply lever, the trailer output power will be the greater of the two.

The trailer and the vehicle's brake lamps will come on when either the vehicle's braking or manual trailer brakes are applied.

Trailer Gain Adjustment

Trailer gain should be set for a specific trailering condition and must be adjusted any time vehicle loading, trailer loading or road surface conditions change. It is important to re-adjust trailer gain any time the tow vehicle, trailer loading or road surface conditions change or it you notice trailer wheel lock-up at any time while you are towing.

Setting the trailer gain properly is needed for the best trailer stopping performance. A trailer that is over-gained may result in locked trailer brakes. A trailer that is under-gained may result in not enough trailer braking. Both of these conditions may result in poor stopping and stability of the vehicle and trailer.

Trailer Gain Adjustment Procedure

- Adjust trailer gain in 0.5 step increments up to 10 gain setting by using the gain adjustment +/− buttons on the trailer brake control panel switch. Pressing and holding a gain button will cause the trailer gain to continuously increment or decrement. To turn the output to the trailer off, set the gain to zero.
- Drive the tow vehicle and trailer combination on a level surface representative of the towing condition and free of traffic at approximately 32–40 km/h (20–25 mph) and fully apply the manual trailer brake apply lever mechanism located on the trailer brake control panel switch. Adjusting the trailer gain at slower speeds may result in an incorrect gain setting.
- Adjust the trailer gain to just below the threshold of trailer wheel lock-up . Trailer wheel lock-up may not occur if towing a heavily loaded trailer. In this case, adjust the trailer gain to the highest allowable setting for the towing condition.

Hill Start Assist

The hill start assist allows the driver to launch the vehicle without a roll back when the driver is moving their foot from the brake pedal to the accelerator pedal. Refer to the hill start assist system in the anti-lock brake system description and operation document for more information.

Trailer Sway Control

The trailer sway control can detect the vehicle yaw instability, caused by an attached trailer. Refer to the trailer sway control system in the anti-lock brake system description and operation document for more information.

Driver Information Center Indicators and Messages

The following indicators are used to inform the driver of several different conditions:

Trailer Connected

This message will be briefly displayed when a trailer with Electric or Electric Over Hydraulic brakes is first connected to the vehicle. This message will automatically turn off in about ten seconds. The driver can also acknowledge this message before it automatically turns off.

Check Trailer Wiring

This message will be displayed if:

- The system detects that a trailer with Electric or Electric Over Hydraulic brakes is connected to the vehicle and then the trailer harness becomes disconnected from the vehicle.
- The trailer connection is recognized initially and then a disconnect occurs while the vehicle is stationary. This message will automatically turn off in about thirty seconds. This message will also turn off if the driver acknowledges this message off or if the trailer harness is reconnected.
- A disconnect of the trailer wiring harness occurs while the vehicle is moving. The Check Trailer Wiring message will continue until the ignition is turned off. The message will also turn off if the driver acknowledges this message off or it the trailer harness is re-connected or repairs are completed.
- There is an electrical fault in the wiring to the electric trailer brakes. The Check Trailer Wiring message will continue as long as there is an electrical fault in the trailer wiring. This message will also turn off if the driver acknowledges this message off.
- A poor connection at the 7–way connector may cause the Check Trailer Wiring message. Some aftermarket 7–way trailer side connector adapters or plugs may cause deformation or excessive wear to the vehicle’s trailer terminals. It is recommended that you use an OEM or Pollak heavy duty 7–way trailer side connector adapter.

Service Trailer Brake System

This message will be displayed when there is a problem with the trailer brake control system. The trailer brake system may not be fully functional, or may not be functioning at all. The trailer brake system is designed to provide trailer braking, if possible, even when faults prevent it from being fully functional. This reduced functionality includes:

1. Providing trailer braking when the master cylinder pressure or brake pedal switch are faulted.
2. Providing trailer braking when hill start assist and trailer sway control communication is faulted.
3. Providing trailer braking when certain manual trailer brake apply lever faults are present.

These conditions should be repaired to allow the trailer brake system to be fully functional.

Trailer Gain and Output Display

This display menu can be accessed by scrolling through the DIC menu, or any time the trailer gain +/− button is depressed, or the manual trailer brake apply lever is actuated. The trailer output is displayed from 0 to full output and indicates the output power provided to the trailer brakes, relative to the gain setting.

After the electrical connection is made to a trailer equipped with electric brakes or electric over hydraulic brakes, the TRAILER CONNECTED message will be displayed momentarily on the DIC. The Trailer Brake Display Page can be selected on the DIC showing TRAILER GAIN and OUTPUT, after all vehicle related service messages are acknowledged by the driver. Depending on which instrument panel cluster is in the vehicle, the DIC may display dashed lines, a greyed out display, or it may be blank signifying a disconnected trailer or a trailer brake fault condition.

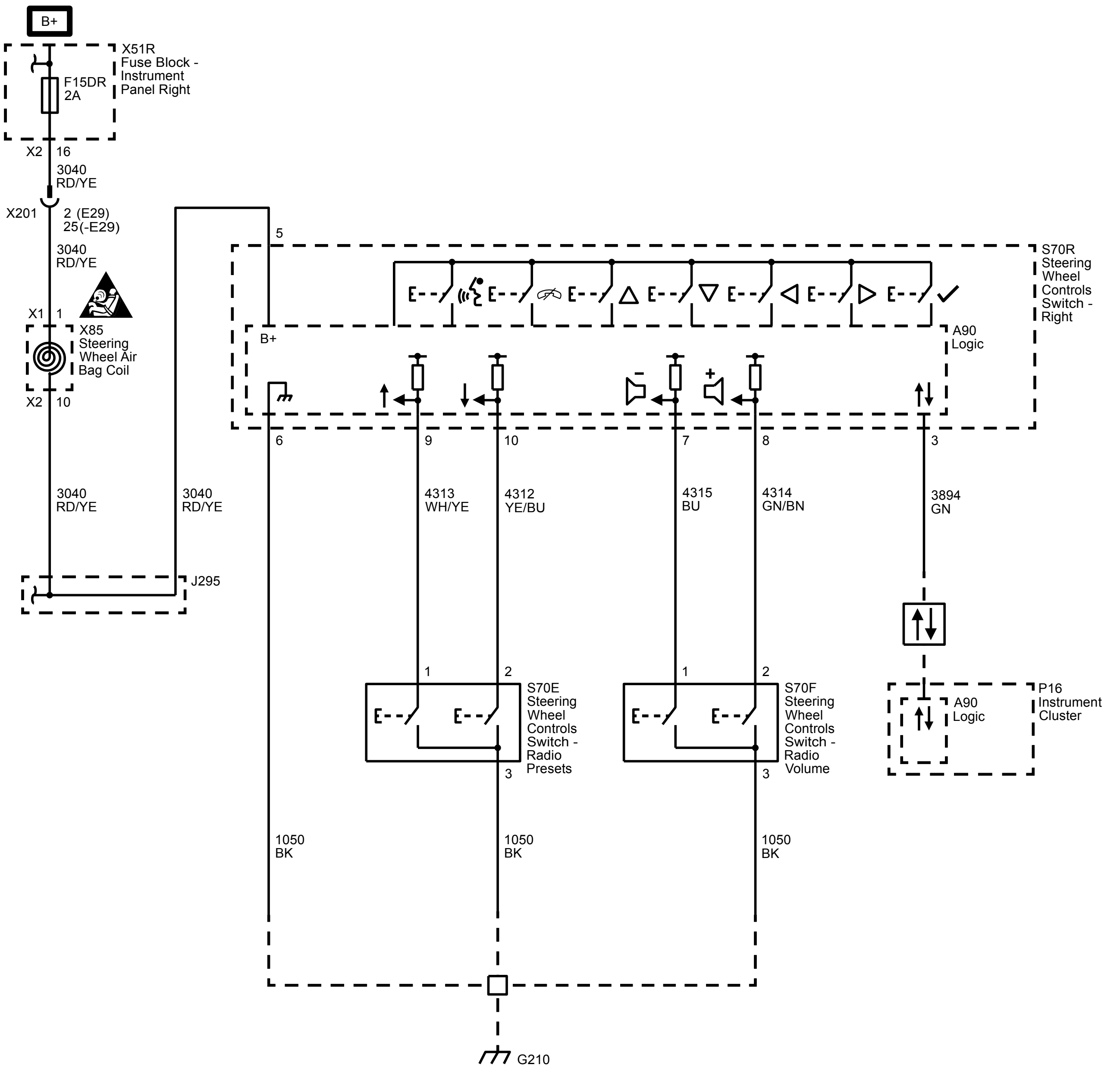
Driver Information and Entertainment

Secondary and Configurable Customer Controls

Schematic and Routing Diagrams

Steering Wheel Secondary/Configurable Control Schematics

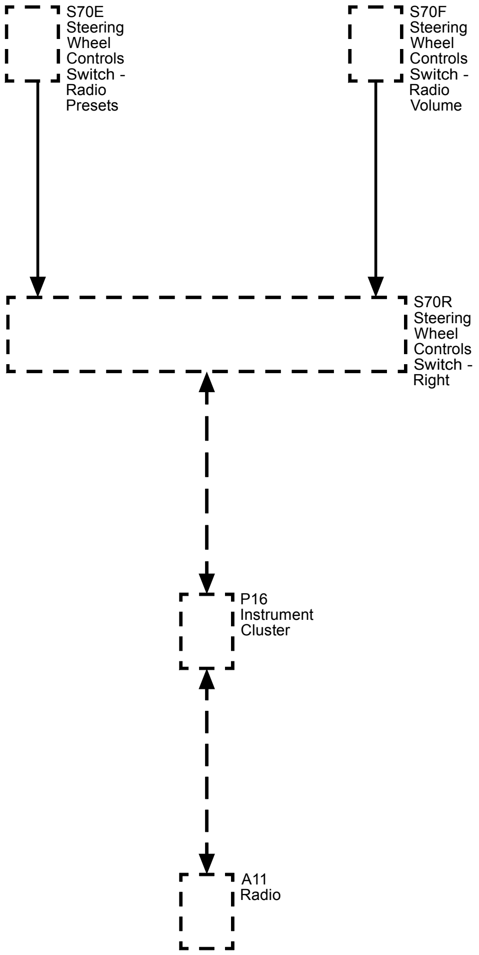
Steering Wheel Radio Controls (UK3)


B+
X51R
Fuse Block - Instrument Panel Right
F15DR
2A
X2
16
3040
RD/YE
X201
2 (E29)
25(-E29)
3040
RD/YE
X1
1
X85
Steering Wheel Air Bag Coil
X2
10
3040
RD/YE
3040
RD/YE
J295
5
S70R
Steering Wheel Controls Switch - Right
B+
A90
Logic
6
9
10
7
8
3
4313
WH/YE
4312
YE/BU
4315
BU
4314
GN/BN
3894
GN
1
2
S70E
Steering Wheel Controls Switch - Radio Presets
3
1
2
S70F
Steering Wheel Controls Switch - Radio Volume
3
P16
Instrument Cluster
A90
Logic
1050
BK
1050
BK
1050
BK
G210

Description and Operation

Steering Wheel Controls Description and Operation

Secondary Controls Block Diagram


S70E Steering Wheel Controls Switch - Radio Presets
S70F Steering Wheel Controls Switch - Radio Volume
S70R Steering Wheel Controls Switch - Right
P16 Instrument Cluster
A11 Radio

The steering wheel control switches duplicate the function of the primary controls of the associated component, through a network of momentary contact switches.

The Steering Wheel Controls are divided into a right-hand set and left-hand set. The right-hand switch is connected to the IPC LIN serial data and provides input from the left-hand, left-hand rear, and right-hand rear switches

The right-hand switch controller consists of UP/DOWN/LEFT/RIGHT directional, center “select” , Push-to-Talk, and Mute buttons. The LEFT/RIGHT buttons navigate the display regions of the cluster. The UP/DOWN buttons navigate the menus. The right-hand rear switch consists of volume up and volume down buttons. The left-hand rear switch consists of favorite up and favorite down buttons.

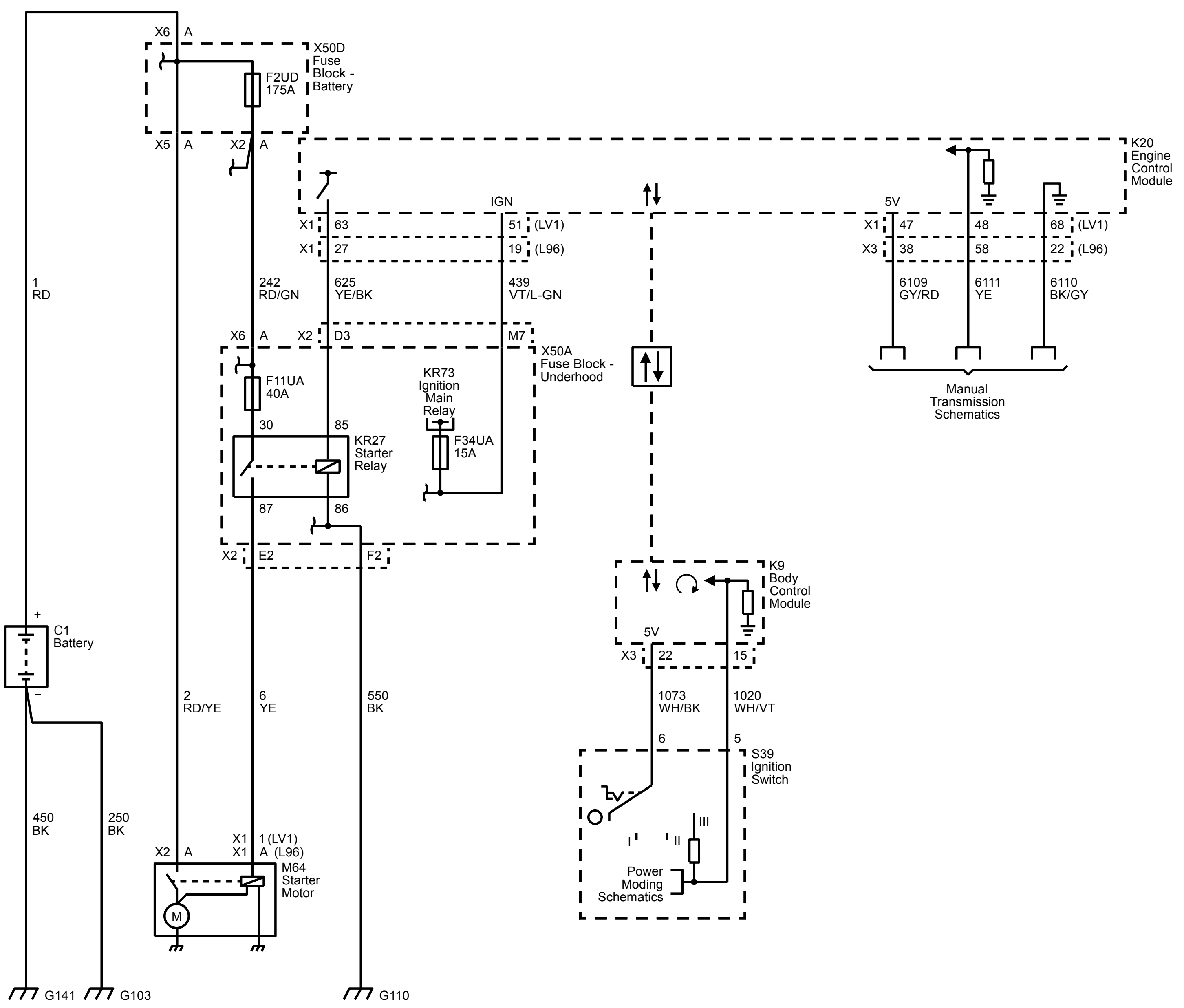
Engine/Propulsion

12 V Starting and Charging

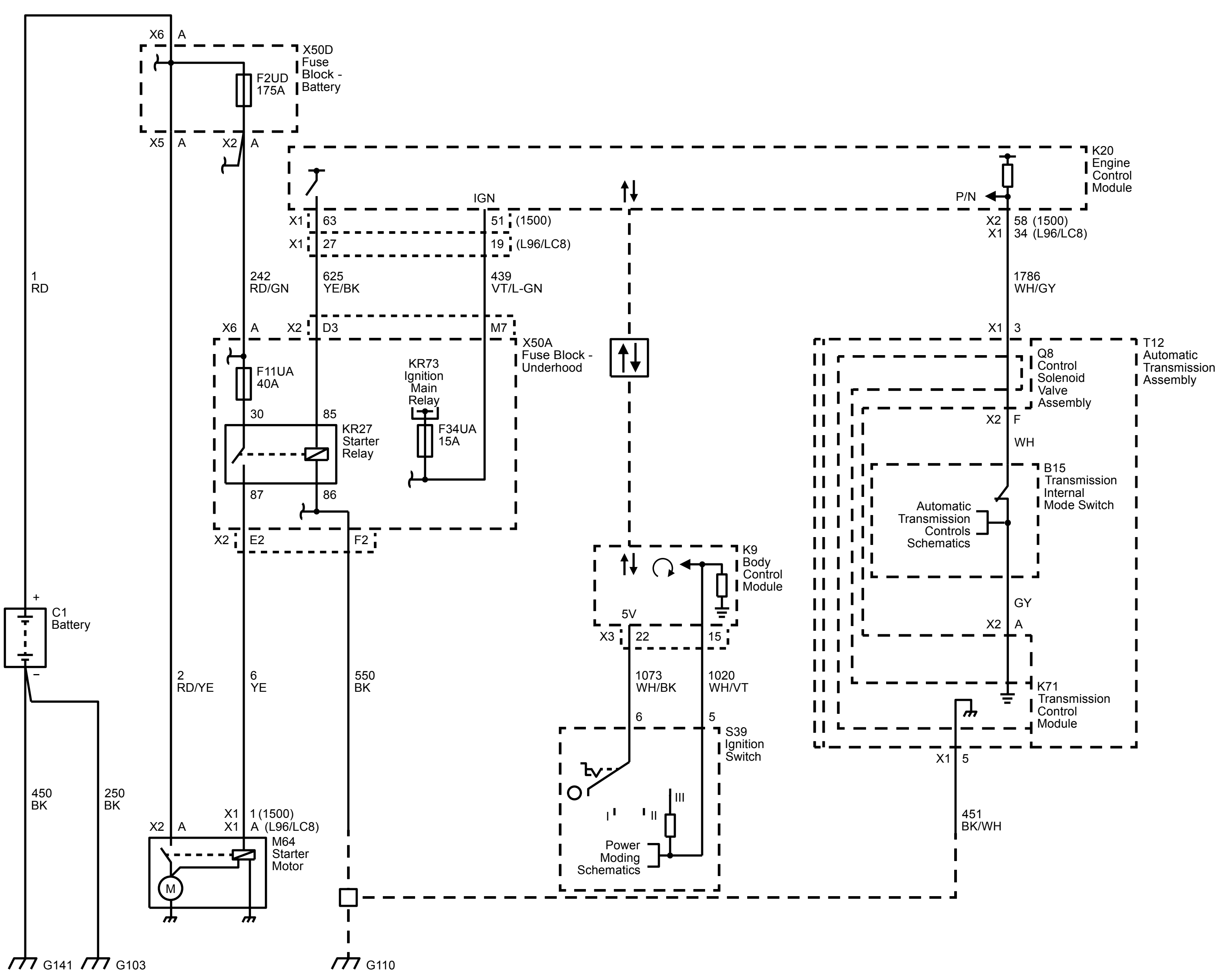
Schematic and Routing Diagrams

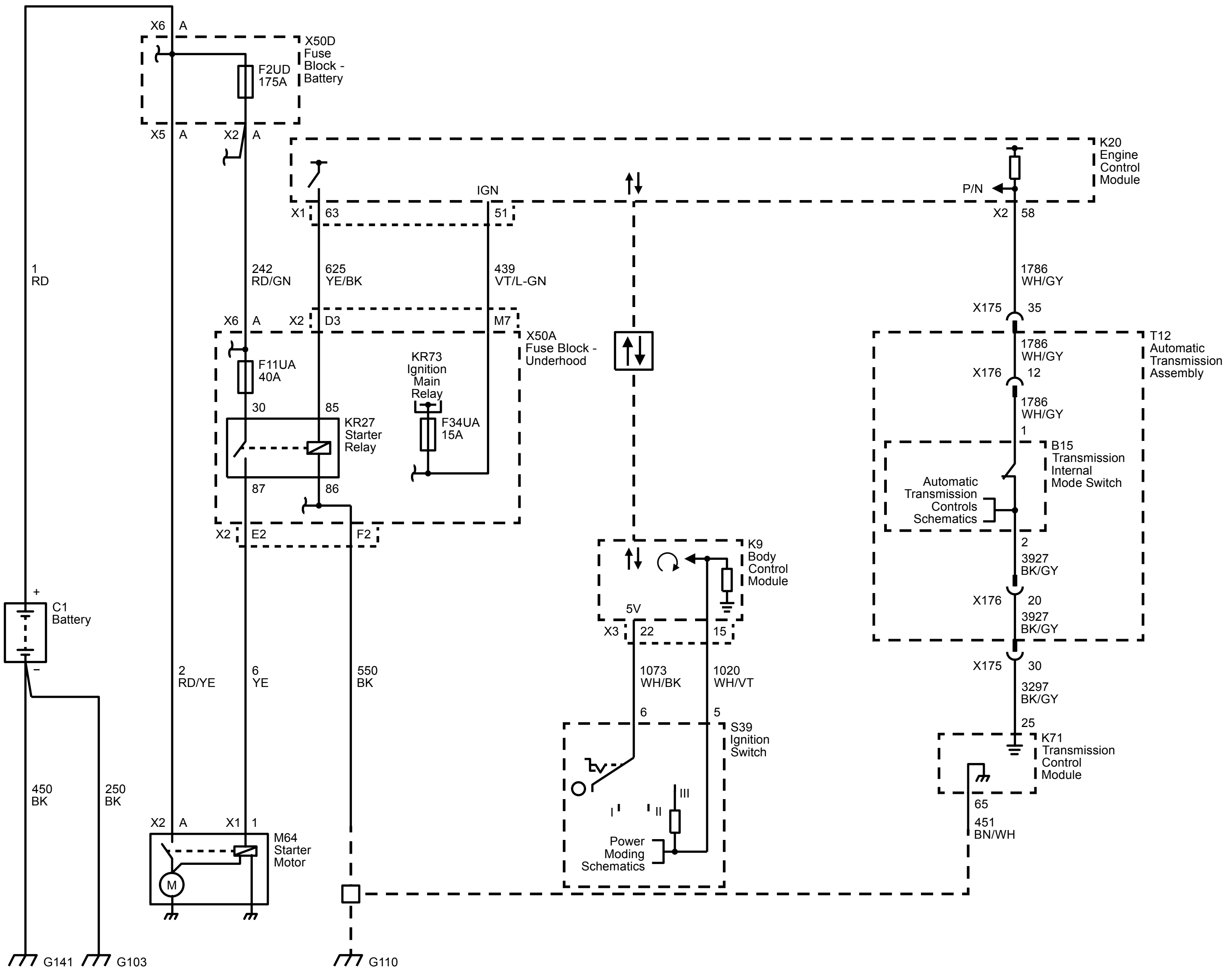
Starting and Charging Schematics

Starting - Manual Transmission (M2P, MQ7 or MXW)

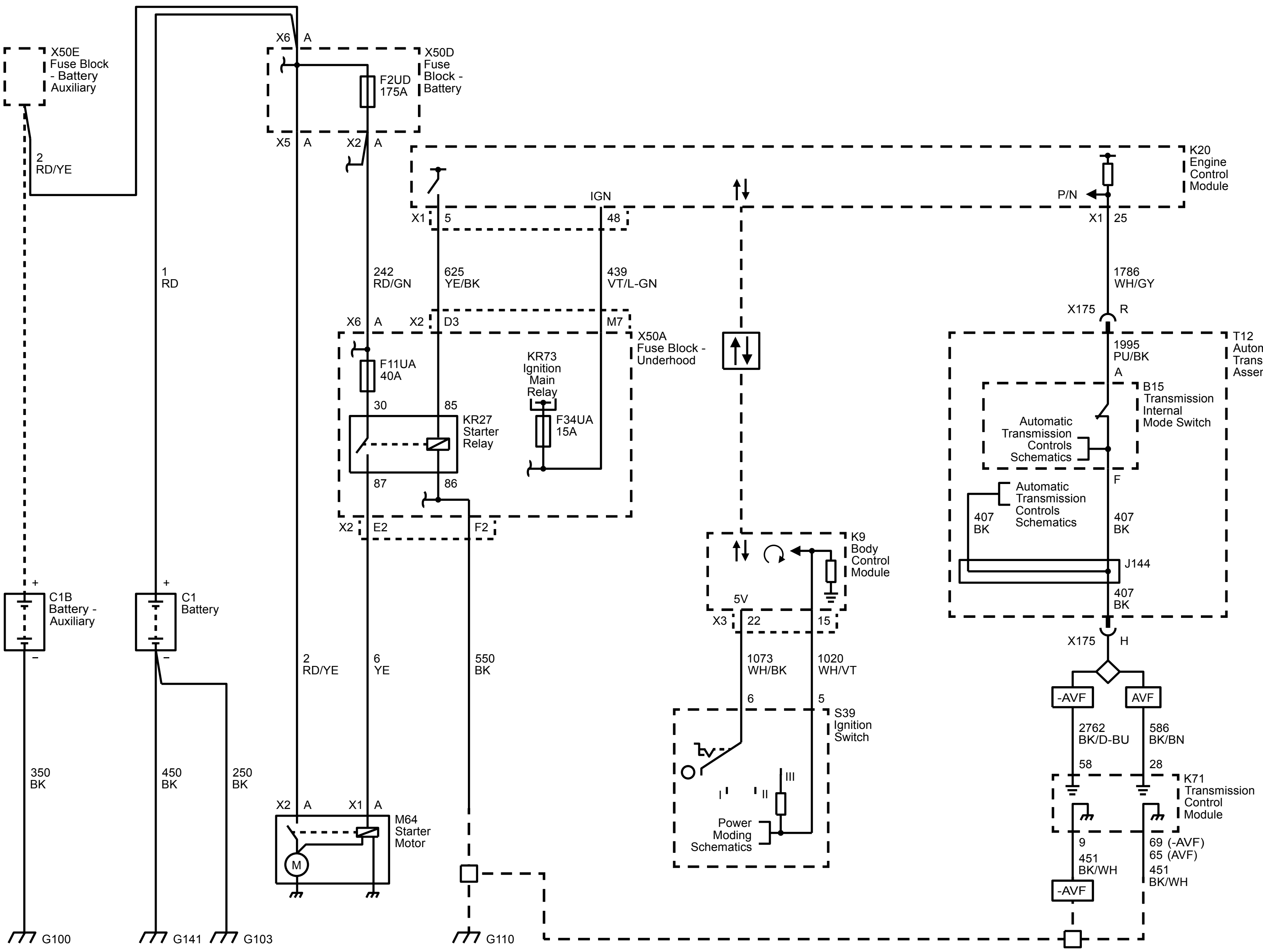

X6 A
X50D Fuse Block - Battery
F2UD 175A
X5 A
X2 A
K20 Engine Control Module
IGN
5V
X1 63
51 (LV1)
X1 27
19 (L96)
X1 47
48
68 (LV1)
X3 38
58
22 (L96)
1 RD
242 RD/GN
625 YE/BK
439 VT/L-GN
6109 GY/RD
6111 YE
6110 BK/GY
X6 A
X2 D3
M7
X50A Fuse Block - Underhood
F11UA 40A
KR73 Ignition Main Relay
F34UA 15A
30
85
KR27 Starter Relay
87
86
X2 E2
F2
Manual Transmission Schematics
K9 Body Control Module
5V
X3 22
15
+
C1 Battery
−
2 RD/YE
6 YE
550 BK
1073 WH/BK
1020 WH/VT
6
5
S39 Ignition Switch
I
II
III
Power Moding Schematics
450 BK
250 BK
X1 1 (LV1)
X1 A (L96)
X2 A
M64 Starter Motor
M
G141
G103
G110

Starting - Automatic Transmission (MYC or MYD)


X6 A
X50D Fuse Block - Battery
F2UD 175A
X5 A
X2 A
K20 Engine Control Module
IGN
P/N
X1 63
X1 27
51 (1500)
19 (L96/LC8)
X2 58 (1500)
X1 34 (L96/LC8)
1 RD
242 RD/GN
625 YE/BK
439 VT/L-GN
1786 WH/GY
X6 A
X2 D3
M7
X50A Fuse Block - Underhood
X1 3
F11UA 40A
KR73 Ignition Main Relay
F34UA 15A
30
85
KR27 Starter Relay
87
86
X2 E2
F2
T12 Automatic Transmission Assembly
Q8 Control Solenoid Valve Assembly
X2 F
WH
B15 Transmission Internal Mode Switch
Automatic Transmission Controls Schematics
GY
X2 A
K71 Transmission Control Module
K9 Body Control Module
5V
X3 22
15
+
C1 Battery
−
2 RD/YE
6 YE
550 BK
1073 WH/BK
1020 WH/VT
6
5
S39 Ignition Switch
I
II
III
Power Moding Schematics
X1 5
451 BK/WH
450 BK
250 BK
X1 1 (1500)
X1 A (L96/LC8)
X2 A
M64 Starter Motor
M
G141
G103
G110

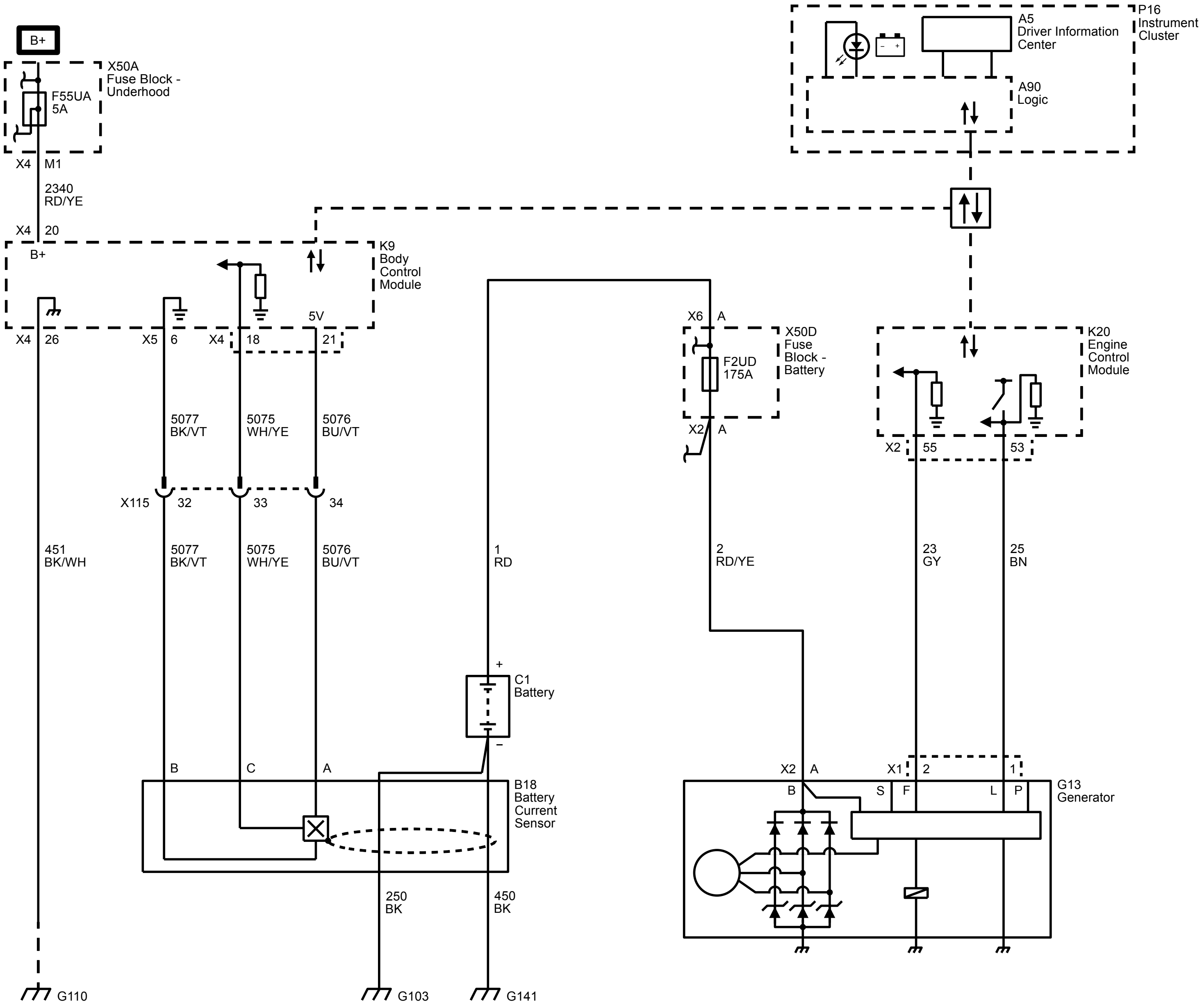

X6 A
X50D Fuse Block - Battery
F2UD 175A
X5 A
X2 A
K20 Engine Control Module
IGN
P/N
X1 63
51
X2 58
1 RD
242 RD/GN
625 YE/BK
439 VT/L-GN
1786 WH/GY
X175 35
X6 A
X2 D3
M7
X50A Fuse Block - Underhood
T12 Automatic Transmission Assembly
1786 WH/GY
X176 12
F11UA 40A
KR73 Ignition Main Relay
30
85
KR27 Starter Relay
F34UA 15A
1786 WH/GY
1
B15 Transmission Internal Mode Switch
Automatic Transmission Controls Schematics
87
86
X2 E2
F2
K9 Body Control Module
2
3927 BK/GY
X176 20
3927 BK/GY
+
C1 Battery
–
5V
X3 22
15
X175 30
2 RD/YE
6 YE
550 BK
1073 WH/BK
1020 WH/VT
3297 BK/GY
6
5
S39 Ignition Switch
25
K71 Transmission Control Module
450 BK
250 BK
III
I
II
65
451 BN/WH
X2 A
X1 1
M64 Starter Motor
M
Power Moding Schematics
G141
G103
G110

Starting - Automatic Transmission (MW7)

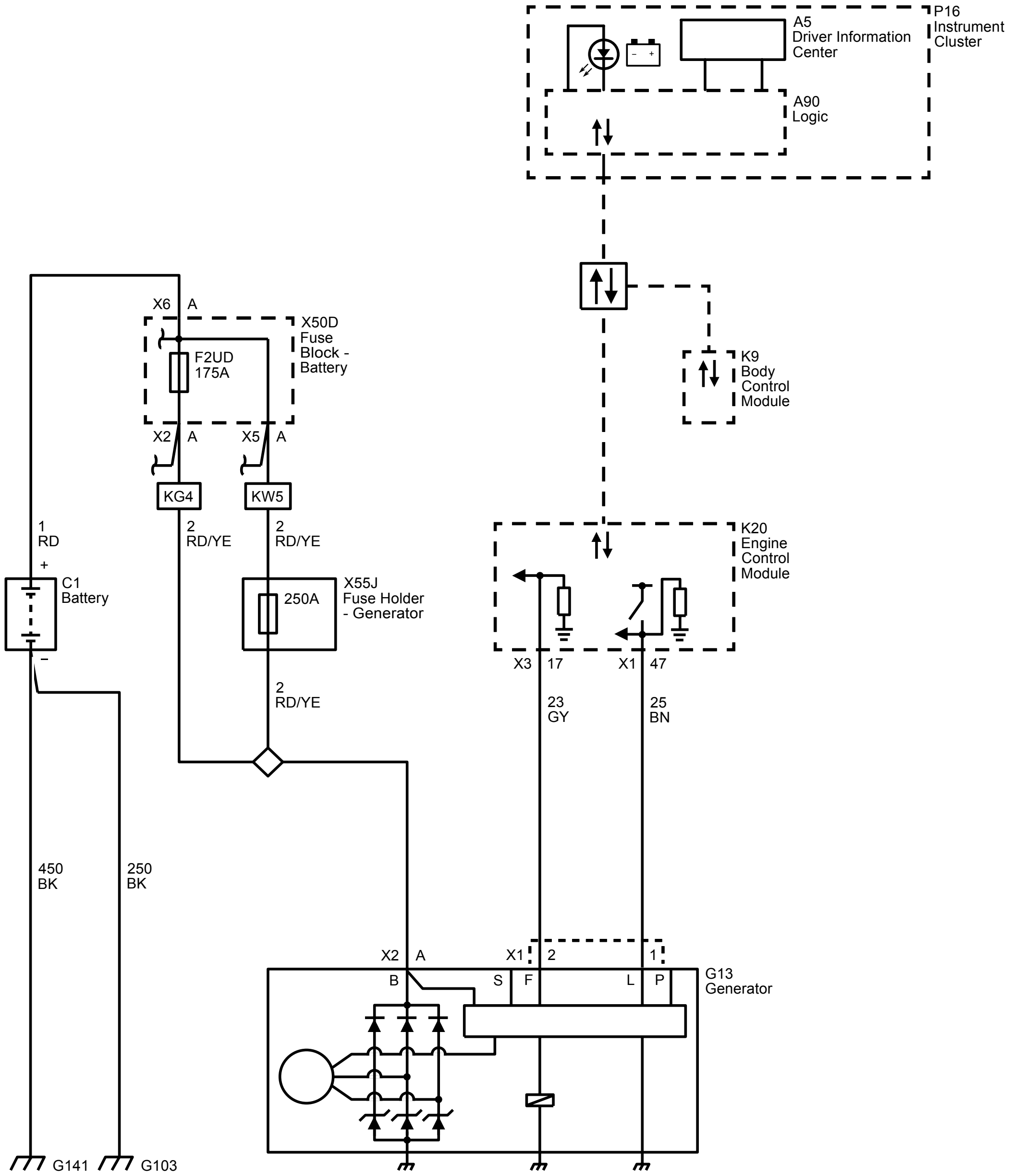

X50E
Fuse Block
- Battery
Auxiliary
X6 A
X50D
Fuse
Block -
Battery
F2UD
175A
X5 A
X2 A
2
RD/YE
K20
Engine
Control
Module
IGN
P/N
X1 5
48
X1 25
1
RD
242
RD/GN
625
YE/BK
439
VT/L-GN
1786
WH/GY
X175 R
X6 A
X2 D3
M7
X50A
Fuse Block -
Underhood
F11UA
40A
KR73
Ignition
Main
Relay
F34UA
15A
30
85
KR27
Starter
Relay
87
86
X2 E2
F2
T12
Automatic
Transmission
Assembly
1995
PU/BK
A
B15
Transmission
Internal
Mode Switch
Automatic
Transmission
Controls
Schematics
F
Automatic
Transmission
Controls
Schematics
407
BK
407
BK
J144
407
BK
X175 H
K9
Body
Control
Module
5V
X3 22
15
+
C1B
Battery -
Auxiliary
−
+
C1
Battery
−
2
RD/YE
6
YE
550
BK
1073
WH/BK
1020
WH/VT
6
5
S39
Ignition
Switch
III
I
II
Power
Moding
Schematics
-AVF
AVF
2762
BK/D-BU
586
BK/BN
58
28
K71
Transmission
Control
Module
9
451
BK/WH
69 (-AVF)
65 (AVF)
451
BK/WH
-AVF
350
BK
450
BK
250
BK
X2 A
X1 A
M64
Starter
Motor
M
G100
G141
G103
G110

LOC
DESC

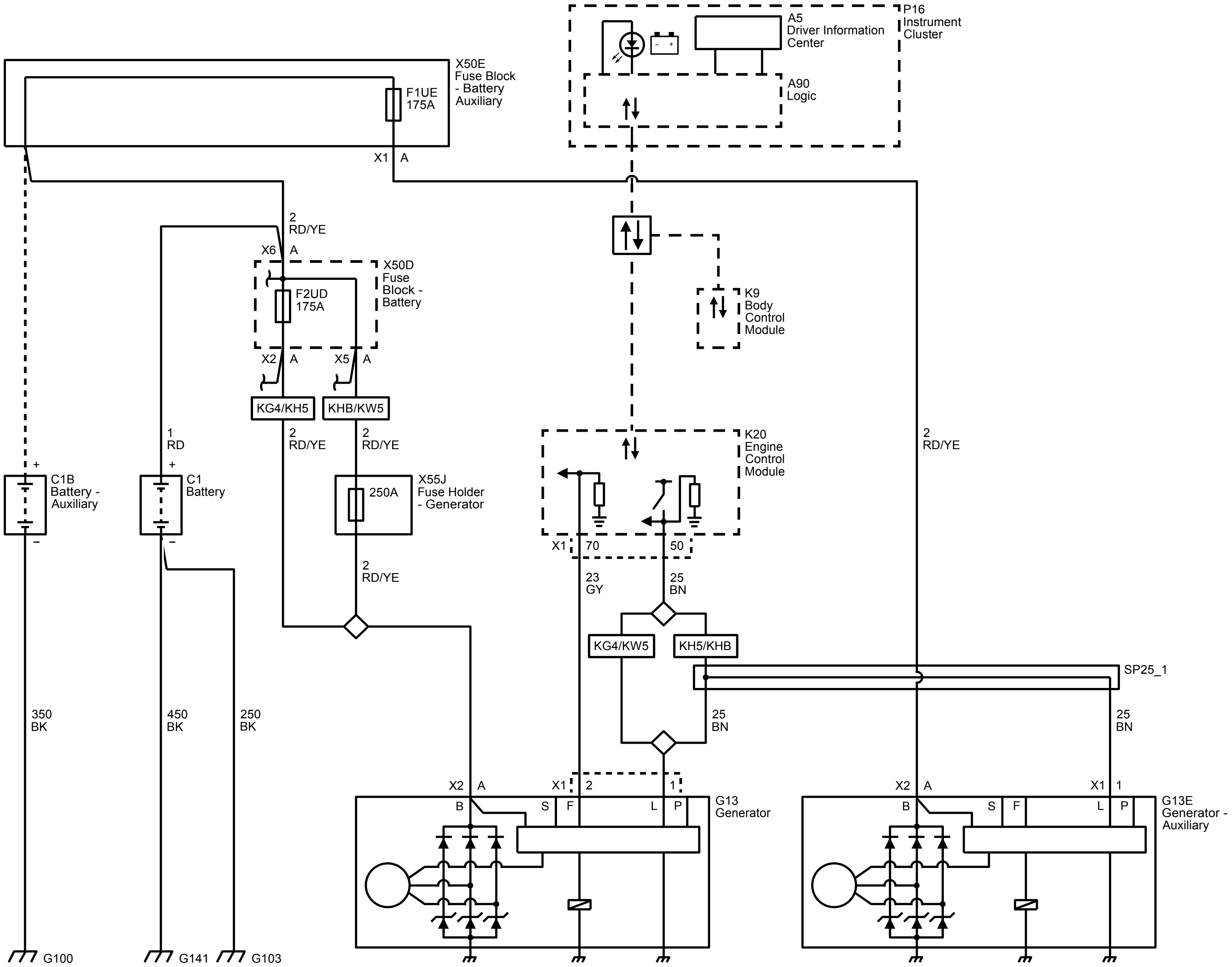
Charging (1500)


B+
X50A
Fuse Block - Underhood
F55UA
5A
X4
M1
2340
RD/YE
X4
20
B+
K9
Body Control Module
5V
X4
26
X5
6
X4
18
21
5077
BK/VT
5075
WH/YE
5076
BU/VT
X115
32
33
34
451
BK/WH
5077
BK/VT
5075
WH/YE
5076
BU/VT
1
RD
+
C1
Battery
–
B
C
A
B18
Battery Current Sensor
250
BK
450
BK
G110
G103
G141
P16
Instrument Cluster
A5
Driver Information Center
A90
Logic
X6
A
X50D
Fuse Block - Battery
F2UD
175A
X2
A
2
RD/YE
K20
Engine Control Module
X2
55
53
23
GY
25
BN
X2
A
X1
2
1
B
S
F
L
P
G13
Generator

Charging (L96 or LC8)


P16
Instrument
Cluster
A5
Driver Information
Center
A90
Logic
K9
Body
Control
Module
K20
Engine
Control
Module
X3 17
X1 47
23
GY
25
BN
X6 A
X50D
Fuse
Block -
Battery
F2UD
175A
X2 A
X5 A
KG4
KW5
1
RD
+
C1
Battery
−
2
RD/YE
2
RD/YE
250A
X55J
Fuse Holder
- Generator
2
RD/YE
450
BK
250
BK
X2 A
X1 2
1
B
S
F
L
P
G13
Generator
G141
G103

Charging (LML)


P16
Instrument
Cluster
A5
Driver Information
Center
A90
Logic
X50E
Fuse Block
- Battery
Auxiliary
F1UE
175A
X1
A
2
RD/YE
X6
A
X50D
Fuse
Block -
Battery
F2UD
175A
X2
A
X5
A
KG4/KH5
KHB/KW5
K9
Body
Control
Module
K20
Engine
Control
Module
1
RD
+
C1B
Battery -
Auxiliary
−
+
C1
Battery
−
2
RD/YE
2
RD/YE
250A
X55J
Fuse Holder
- Generator
2
RD/YE
X1
70
50
23
GY
25
BN
KG4/KW5
KH5/KHB
SP25_1
2
RD/YE
350
BK
450
BK
250
BK
25
BN
25
BN
X2
A
X1
2
1
G13
Generator
B
S
F
L
P
X2
A
X1
1
G13E
Generator -
Auxiliary
B
S
F
L
P
G100
G141
G103

Description and Operation

Charging System Description and Operation

Electrical Power Management Overview

The electrical power management system is designed to monitor and control the charging system and send diagnostic messages to alert the driver of possible problems with the battery and generator. This electrical power management system primarily utilizes existing on-board computer capability to maximize the effectiveness of the generator, to manage the load, improve battery state-of-charge and life, and minimize the system's impact on fuel economy. The electrical power management system performs 3 functions:

- It monitors the battery voltage and estimates the battery condition.
- It takes corrective actions by boosting idle speeds, and adjusting the regulated voltage.
- It performs diagnostics and driver notification.

The battery condition is estimated during ignition-off and during ignition-on. During ignition-off the state-of-charge of the battery is determined by measuring the open-circuit voltage. The state-of-charge is a function of the acid concentration and the internal resistance of the battery, and is estimated by reading the battery open circuit voltage when the battery has been at rest for several hours.

The state-of-charge can be used as a diagnostic tool to tell the customer or the dealer the condition of the battery. Throughout ignition-on, the algorithm continuously estimates state-of-charge based on adjusted net amp hours, battery capacity, initial state-of-charge, and temperature.

While running, the battery degree of discharge is primarily determined by a battery current sensor, which is integrated to obtain net amp hours.

In addition, the electrical power management function is designed to perform regulated voltage control to improve battery state-of-charge, battery life, and fuel economy. This is accomplished by using knowledge of the battery state-of-charge and temperature to set the charging voltage to an optimum battery voltage level for recharging without detriment to battery life.

The Charging System Description and Operation is divided into 3 sections. The first section describes the charging system components and their integration into the electrical power management. The second section describes charging system operation. The third section describes the instrument panel cluster operation of the charge indicator, driver information center messages, and voltmeter operation.

Charging System Components

Generator

The generator is a serviceable component. If there is a diagnosed failure of the generator it must be replaced as an assembly. The engine drive belt drives the generator. When the rotor is spun it induces an alternating current (AC) into the stator windings. The AC voltage is then sent through a series of diodes for rectification. The rectified voltage has been converted into a direct current (DC) for use by the vehicles electrical system to maintain electrical loads and the battery charge. The voltage regulator integral to the generator controls the output of the generator. It is not serviceable. The voltage regulator controls the amount of current provided to the rotor. If the generator has field control circuit failure, the generator defaults to an output voltage of 13.8 V.

Body Control Module (BCM)

The body control module (BCM) is a GMLAN device. It communicates with the engine control module (ECM) and the instrument panel cluster for electrical power management (electrical power management) operation. The BCM determines the output of the generator and sends the information to the ECM for control of the generator turn on signal circuit. It monitors the generator field duty cycle signal circuit information sent from the ECM for control of the generator. It monitors a battery current sensor, the battery positive voltage circuit, and estimated battery temperature to determine battery state of charge. The BCM performs idle boost.

Battery Current Sensor

The battery current sensor is a serviceable component that is connected to either the negative or positive battery cable at the battery. The battery current sensor is a 3-wire hall effect current sensor. The battery current sensor monitors the battery current. It directly inputs to the BCM. It creates a 5-volt pulse width modulation (PWM) signal of 128 Hz with a duty cycle of 0–100 percent. Normal duty cycle is between 5–95 percent. Between 0–5 percent and 95–100 percent are for diagnostic purposes.

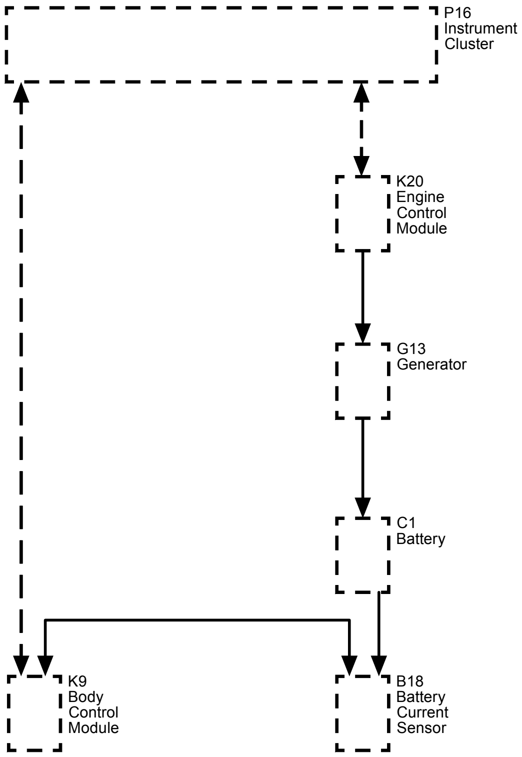
Engine Control Module (ECM)

When the engine is running, the generator turn-on signal is sent to the generator from the ECM, turning on the regulator. The generator's voltage regulator controls current to the rotor, thereby controlling the output voltage. The rotor current is proportional to the electrical pulse width supplied by the regulator. When the engine is started, the regulator senses generator rotation by detecting AC voltage at the stator through an internal wire. Once the engine is running, the regulator varies the field current by controlling the pulse width. This regulates the generator output voltage for proper battery charging and electrical system operation. The generator field duty terminal is connected internally to the voltage regulator and externally to the ECM. When the voltage regulator detects a charging system problem, it grounds this circuit to signal the ECM that a problem exists. The ECM monitors the generator field duty cycle signal circuit, and receives control decisions based on information from the BCM.

Instrument Panel Cluster

The instrument panel cluster provides the customer notification in case a concern with the charging system. There are 2 means of notification, a charge indicator and a driver information center message of SERVICE BATTERY CHARGING SYSTEM if equipped.

Charging System Block Diagram


P16
Instrument
Cluster
K20
Engine
Control
Module
G13
Generator
C1
Battery
K9
Body
Control
Module
B18
Battery
Current
Sensor

Charging System Operation

The purpose of the charging system is to maintain the battery charge and vehicle loads. There are 6 modes of operation and they include:

- Battery Sulfation Mode
- Charge Mode
- Fuel Economy Mode
- Headlamp Mode
- Start Up Mode
- Voltage Reduction Mode

The engine control module (ECM) controls the generator through the generator turn ON signal circuit. The ECM monitors the generator performance though the generator field duty cycle signal circuit. The signal is a pulse width modulation (PWM) signal of 128 Hz with a duty cycle of 0–100 percent. Normal duty cycle is between 5–95 percent. Between 0–5 percent and 95–100 percent are for diagnostic purposes. The following table shows the commanded duty cycle and output voltage of the generator:

Commanded Duty Cycle	Generator Output Voltage
10%	11 V
20%	11.56 V
30%	12.12 V
40%	12.68 V
50%	13.25 V
60%	13.81 V
70%	14.37 V

80%	14.94 V
90%	15.5 V

The generator provides a feedback signal of the generator voltage output through the generator field duty cycle signal circuit to the ECM. This information is sent to the body control module (BCM). The signal is PWM signal of 128 Hz with a duty cycle of 0–100 percent. Normal duty cycle is between 5–99 percent. Between 0–5 percent and 100 percent are for diagnostic purposes.

Battery Sulfation Mode

The BCM will enter this mode when the interpreted generator output voltage is less than 13.2 V for 45 minutes. When this condition exists the BCM will enter Charge Mode for 2–3 minutes. The BCM will then determine which mode to enter depending on voltage requirements.

Charge Mode

The BCM will enter Charge Mode when ever one of the following conditions are met.

- The wipers are ON for more than 3 seconds.
- GMLAN (Climate Control Voltage Boost Mode Request) is true, as sensed by the HVAC control head. High speed cooling fan, rear defogger and HVAC high speed blower operation can cause the BCM to enter the Charge Mode.
- The estimated battery temperature is less than 0°C (32°F).
- Battery State of Charge is less than 80 percent.
- Vehicle speed is greater than 145 km/h (90 mph)
- Current sensor fault exists.
- System voltage was determined to be below 12.56 V

When any one of these conditions is met, the system will set targeted generator output voltage to a charging voltage between 13.9–15.5 V, depending on the battery state of charge and estimated battery temperature.

Fuel Economy Mode

The BCM will enter Fuel Economy Mode when the estimated battery temperature is at least 0°C (32°F) but less than or equal to 80°C (176°F), the calculated battery current is less than 15 amperes and greater than −8 amperes, and the battery state-of-charge is greater than or equal to 80 percent. Its targeted generator output voltage is the open circuit voltage of the battery and can be between 12.5–13.1 V. The BCM will exit this mode and enter Charge Mode when any of the conditions described above are present.

Headlamp Mode

The BCM will enter Headlamp Mode when ever the headlamps are ON (high or low beams). Voltage will be regulated between 13.9–14.5 V.

Start Up Mode

When the engine is started the BCM sets a targeted generator output voltage of 14.5 V for 30 seconds.

Voltage Reduction Mode

The BCM will enter Voltage Reduction Mode when the calculated ambient air temperature is above 0°C (32°F). The calculated battery current is less than 1 ampere and greater than −7 amperes, and the generator field duty cycle is less than 99 percent. Its targeted generator output voltage is 12.9 V. The BCM will exit this mode once the criteria are met for Charge Mode.

Instrument Panel Cluster Operation

Charge Indicator Operation

The instrument panel cluster illuminates the charge indicator and displays a warning message in the driver information center if equipped, when the one or more of the following occurs:

- The engine control module (ECM) detects that the generator output is less than 11 V or greater than 16 V. The instrument panel cluster receives a GMLAN message from the ECM requesting illumination.
- The instrument panel cluster determines that the system voltage is less than 11 V or greater than 16 V for more than 30 seconds. The instrument panel cluster receives a GMLAN message from the body control module (BCM) indicating there is a system voltage range concern.
- The instrument panel cluster performs the displays test at the start of each ignition cycle. The indicator illuminates for approximately 3 seconds.

Display Message: BATTERY NOT CHARGING SERVICE CHARGING SYSTEM or SERVICE BATTERY CHARGING SYSTEM

The BCM and the ECM will send a serial data message to the driver information center for the BATTERY NOT CHARGING SERVICE CHARGING SYSTEM or SERVICE BATTERY CHARGING SYSTEM message to be displayed. It is commanded ON when a charging system DTC is a current DTC. The message is turned OFF when the conditions for clearing the DTC have been met.

Electrical Power Management Description and Operation (Diesel)

The electrical power management is used to monitor and control the charging system and alert the driver of possible problems within the charging system. The electrical power management system makes the most efficient use of the generator output, improves the battery state-of-charge, extends battery life, and manages system electrical loads.

The load shed operation is a means of reducing electrical loads during a low voltage or low battery state-of-charge condition.

The idle boost operation is a means of improving generator performance during a low voltage or low battery state-of-charge condition. Idle boost consists of three steps: idle boost 1, idle boost 2, and idle boost 3 (approximately 750, 900, and 1050 rpm respectively). Idle boost is activated in incremental steps, idle boost 1 must be active before idle boost 2 can be active.

Each electrical power management function, either idle boost or load shed, is discrete. No two functions are active at the same time. The criteria used by the body control module (BCM) to regulate electrical power management are outlined below:

Function	Battery Temperature Calculation	Battery Voltage Calculation	Amp-Hour Calculation	Action Taken
Idle Boost 1 Start	Less Than −15°C (5°F)	Less Than 13 V	—	First level Idle boost requested
Idle Boost 1 Start	—	—	Battery has a net loss greater than 0.6 AH	First level Idle boost requested
Idle Boost 1 Start	—	Less Than 10.9 V	—	First level Idle boost requested
Idle Boost 1 End	Greater Than −15°C (5°F)	Greater Than −12 V	Battery has a net loss less than 0.2 AH	First level Idle boost request cancelled
Load Shed 1 Start	—	—	Battery has a net loss of 4 AH	Rear Defrost, Heated Mirrors, Heated Seats cycled OFF for 20% of their cycle
Load Shed 1 Start	—	Less Than 10.9 V	—	Rear Defrost, Heated Mirrors, Heated Seats cycled OFF for 20% of their cycle
Load Shed 1 End	—	Greater Than 12 V	Battery has a net loss of less than 2 AH	Clear Load Shed 1
Idle Boost 2 Start	—	—	Battery has a net loss greater than 1.6 AH	Second level Idle boost requested
Idle Boost 2 Start	—	Less Than 10.9 V	—	Second level Idle boost requested
Idle Boost 2 End	—	Greater Than 12 V	Battery has a net loss less than 0.8 AH	Second level Idle boost request cancelled
Idle Boost 3 Start	—	—	Battery has a net loss of 10.0 AH	Third level Idle boost requested
Idle Boost 3 Start	—	Less Than 10.9 V	—	Third level Idle boost requested
Idle Boost 3 End	—	Greater Than 12 V	Battery has a net loss of less than 6.0 AH	Third level Idle boost request cancelled
Load Shed 2 Start	—	Less Than 10.9 V	Battery has a net loss greater than 12 AH	Rear Defrost, Heated Mirrors, Heated Seats cycled OFF for 50% of their cycle. The BATTERY SAVER ACTIVE message will be displayed on the DIC

Load Shed 2 Start	—	Less Than 10.9 V	—	Rear Defrost, Heated Mirrors, Heated Seats cycled OFF for 50% of their cycle. The BATTERY SAVER ACTIVE message will be displayed on the DIC
Load Shed 2 End	—	Greater Than 12.6 V	Battery has a net loss of less than 10.5 AH	Clear Load Shed 2
Load Shed 3 Start	—	Less Than 11.9 V	Battery has a net loss greater than 20 AH	Rear Defrost, Heated Mirrors, Heated Seats cycled OFF for 100% of their cycle. The BATTERY SAVER ACTIVE message will be displayed on the DIC
Load Shed 3 End	—	Greater Than 12.6 V	Battery has a net loss of less than 15 AH	Clear Load Shed 3

Electrical Power Management Description and Operation (Gasoline)

The electrical power management is used to monitor and control the charging system and alert the driver of possible problems within the charging system. The electrical power management system makes the most efficient use of the generator output, improves the battery state-of-charge, extends battery life, and manages system electrical loads.

The load shed operation is a means of reducing electrical loads during a low voltage or low battery state-of-charge condition.

The idle boost operation is a means of improving generator performance during a low voltage or low battery state-of-charge condition.

Each electrical power management function, either idle boost or load shed, is discrete. No two functions are active at the same time. Idle boost is activated in incremental steps, idle boost 1 must be active before idle boost 2 can be active. The criteria used by the body control module (BCM) to regulate electrical power management are outlined below:

Function	Battery Temperature Calculation	Battery Voltage Calculation	Amp-Hour Calculation	Action Taken
Idle Boost 1 Start	Less Than −15°C (5°F)	Less Than 13 V	—	First level Idle boost requested
Idle Boost 1 Start	—	—	Battery has a net loss greater than 0.6 AH	First level Idle boost requested
Idle Boost 1 Start	—	Less Than 10.9 V	—	First level Idle boost requested
Idle Boost 1 End	Greater Than −15°C (5°F)	Greater Than −12 V	Battery has a net loss less than 0.2 AH	First level Idle boost request cancelled
Load Shed 1 Start	—	—	Battery has a net loss of 4 AH	Rear Defrost, Heated Mirrors, Heated Seats cycled OFF for 20% of their cycle
Load Shed 1 Start	—	Less Than 10.9 V	—	Rear Defrost, Heated Mirrors, Heated Seats cycled OFF for 20% of their cycle
Load Shed 1 End	—	Greater Than 12 V	Battery has a net loss of less than 2 AH	Clear Load Shed 1
Idle Boost 2 Start	—	—	Battery has a net loss greater than 1.6 AH	Second level Idle boost requested
Idle Boost 2 Start	—	Less Than 10.9 V	—	Second level Idle boost requested
Idle Boost 2 End	—	Greater Than 12 V	Battery has a net loss less than 0.8 AH	Second level Idle boost request cancelled
Idle Boost 3 Start	—	—	Battery has a net loss of 10.0 AH	Third level Idle boost requested
Idle Boost 3 Start	—	Less Than 10.9 V	—	Third level Idle boost requested
Idle Boost 3 End	—	Greater Than 12 V	Battery has a net loss of less than 6.0 AH	Third level Idle boost request cancelled
Load Shed 2 Start	—	Less Than 10.9 V	Battery has a net loss greater than 12 AH	Rear Defrost, Heated Mirrors, Heated Seats cycled OFF for 50% of their cycle. The BATTERY SAVER ACTIVE message will be displayed on the DIC

Load Shed 2 Start	—	Less Than 10.9 V	—	Rear Defrost, Heated Mirrors, Heated Seats cycled OFF for 50% of their cycle. The BATTERY SAVER ACTIVE message will be displayed on the DIC
Load Shed 2 End	—	Greater Than 12.6 V	Battery has a net loss of less than 10.5 AH	Clear Load Shed 2
Load Shed 3 Start	—	Less Than 11.9 V	Battery has a net loss greater than 20 AH	Rear Defrost, Heated Mirrors, Heated Seats cycled OFF for 100% of their cycle. The BATTERY SAVER ACTIVE message will be displayed on the DIC
Load Shed 3 End	—	Greater Than 12.6 V	Battery has a net loss of less than 15 AH	Clear Load Shed 3

Starting System Description and Operation

The starter motors are non-repairable starter motors. They have pole pieces that are arranged around the armature. Both solenoid windings are energized. The pull-in winding circuit is completed to the ground through the starter motor. The windings work together magnetically to pull and hold in the plunger. The plunger moves the shift lever. This action causes the starter drive assembly to rotate on the armature shaft spline as it engages with the flywheel ring gear on the engine. Moving at the same time, the plunger also closes the solenoid switch contacts in the starter solenoid. Full battery voltage is applied directly to the starter motor and it cranks the engine.

As soon as the solenoid switch contacts close, current stops flowing thorough the pull-in winding because battery voltage is applied to both ends of the windings. The hold-in winding remains energized. Its magnetic field is strong enough to hold the plunger, shift lever, starter drive assembly, and solenoid switch contacts in place to continue cranking the engine. When the engine starts, pinion overrun protects the armature from excessive speed until the switch is opened.

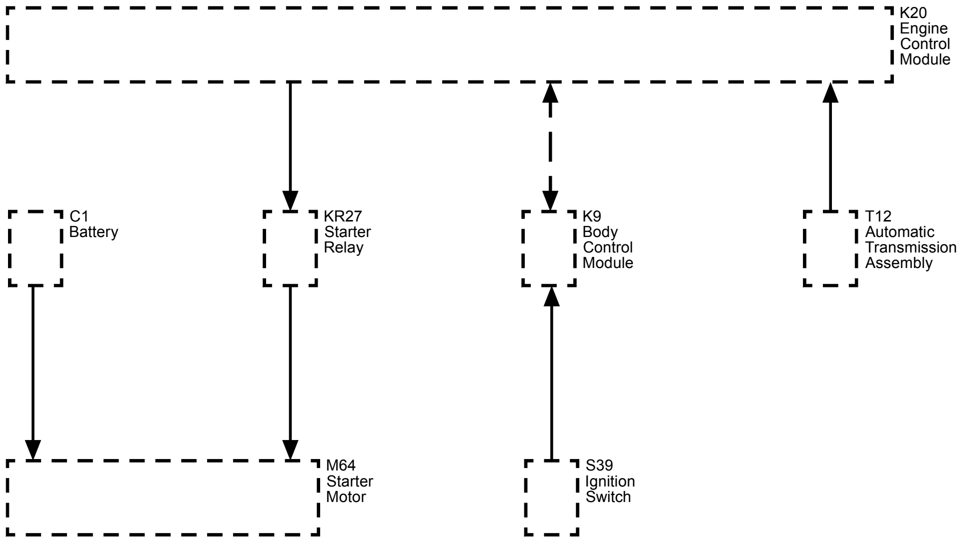
When the ignition switch is released from the START position, the START relay opens and battery voltage is removed from the starter solenoid S terminal. Current flows from the motor contacts through both windings to the ground at the end of the hold-in winding. However, the direction of the current flow through the pull-in winding is now opposite the direction of the current flow when the winding was first energized.

The magnetic fields of the pull-in and hold-in windings now oppose one another. This action of the windings, along with the help of the return spring, causes the starter drive assembly to disengage and the solenoid switch contacts to open simultaneously. As soon as the contacts open, the starter circuit is turned off.

Circuit Description (Key Start)

When the ignition switch is placed in the Start position, a discrete signal is supplied to the body control module (BCM) notifying it that the ignition is in the Start position. The BCM then sends a message to the engine control module (ECM) notifying it that CRANK has been requested. The ECM verifies that the transmission is in Park or Neutral. If it is, the ECM then supplies 12 V to the control circuit of the crank relay. When this occurs, battery positive voltage is supplied through the switch side of the crank relay to the S terminal of the starter solenoid.

Starting System Block Diagram

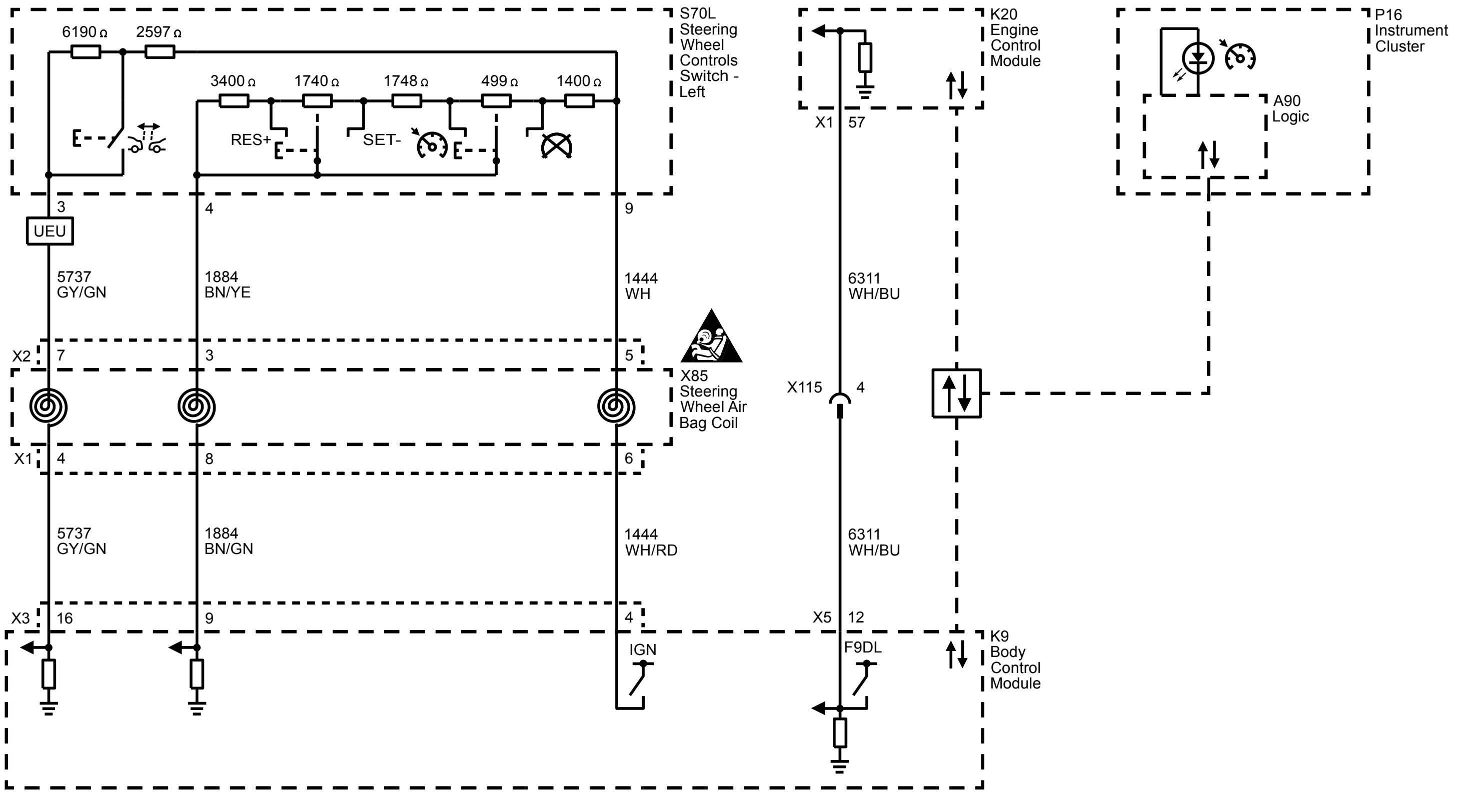


Cruise Control

Schematic and Routing Diagrams

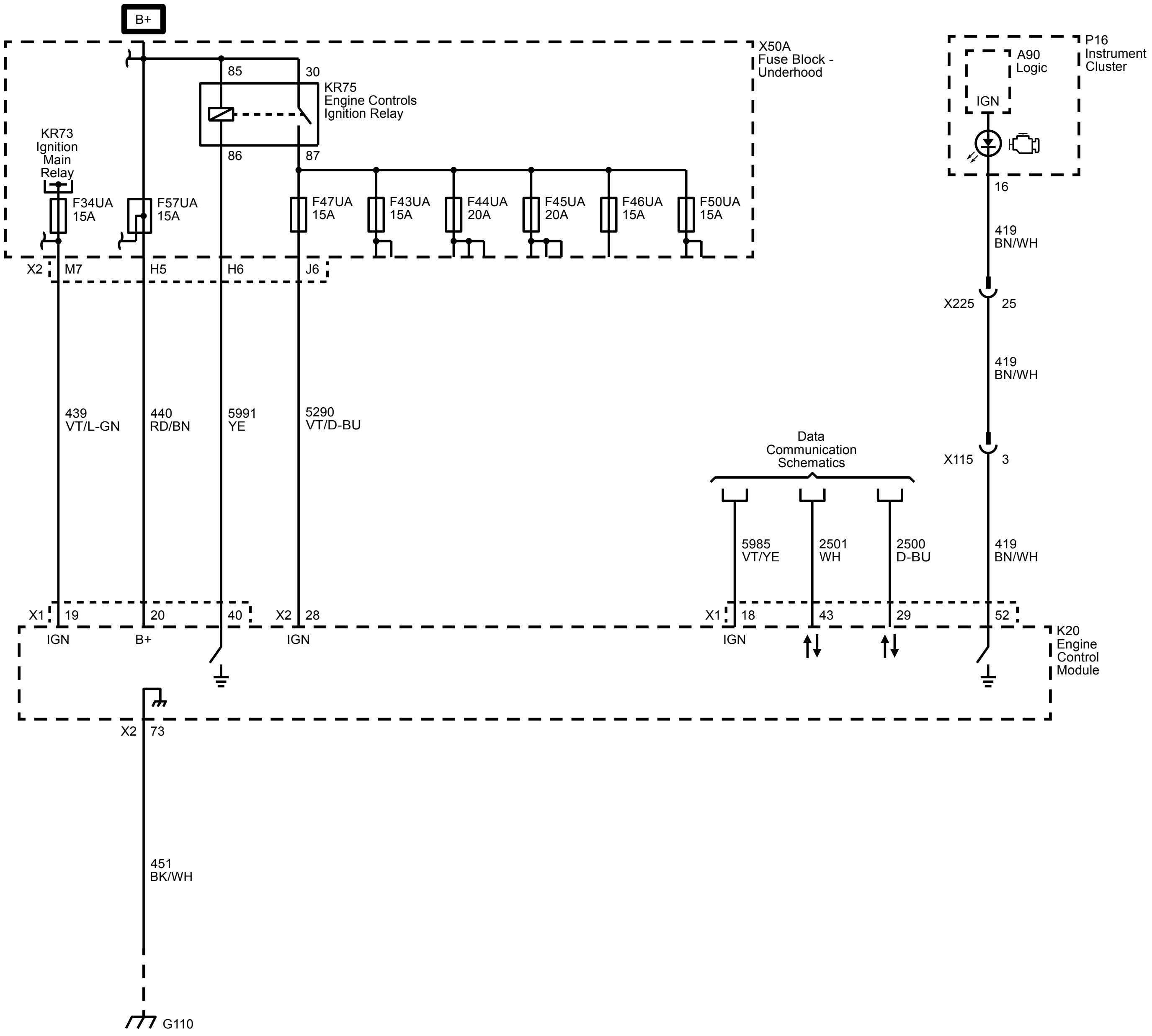
Cruise Control Schematics

Cruise Control

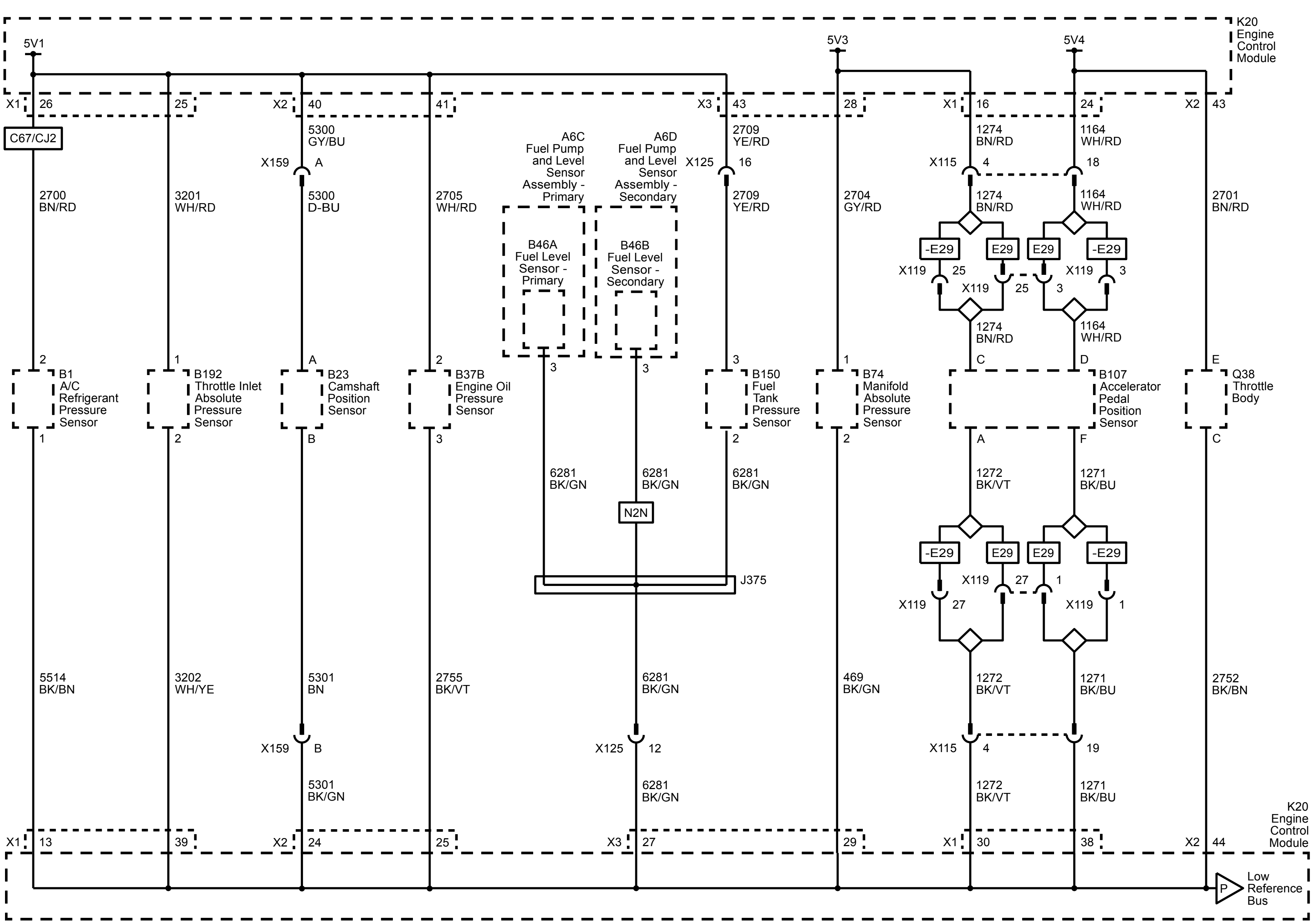


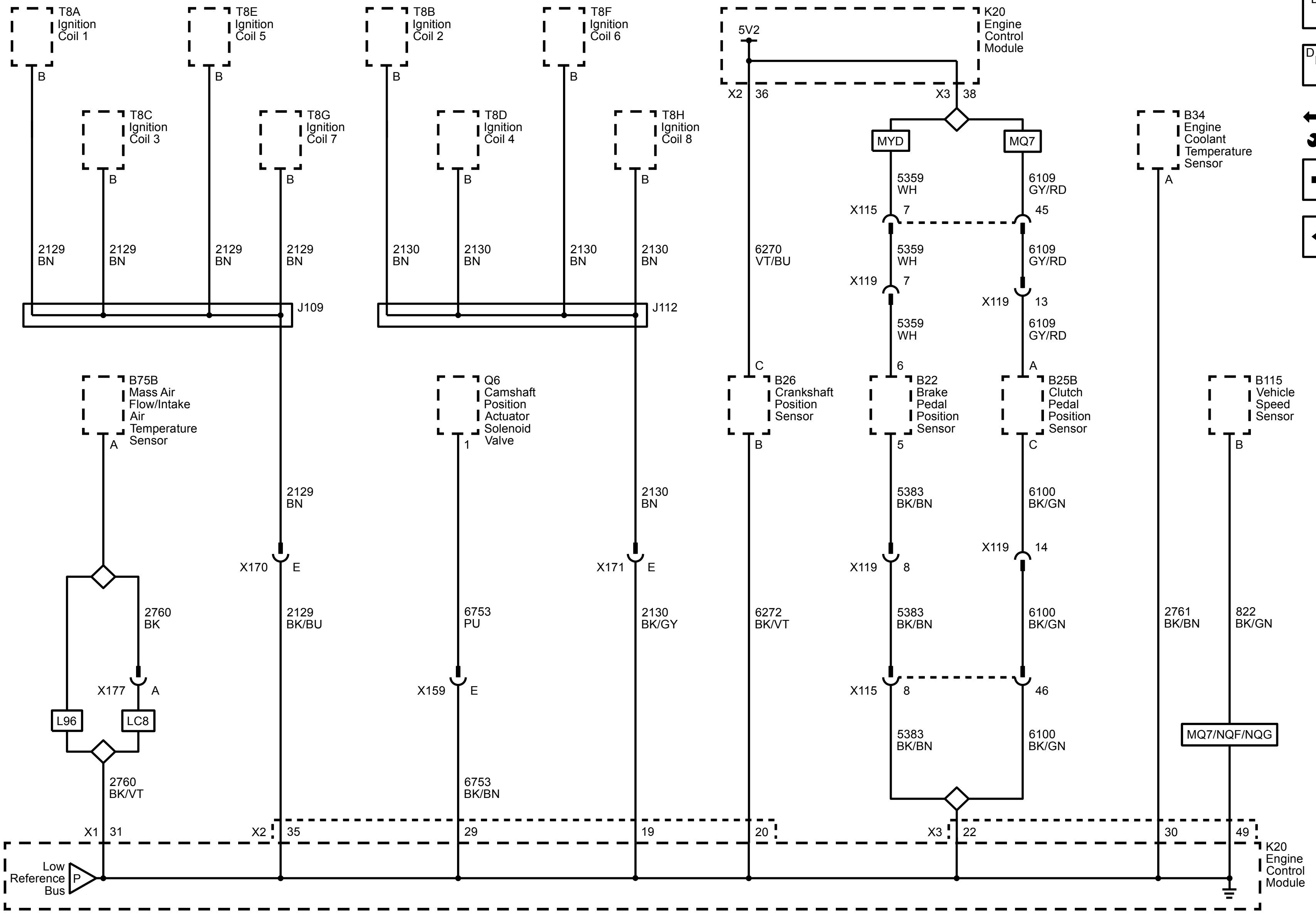
S70L Steering Wheel Controls Switch - Left
6190 Ω
2597 Ω
3400 Ω
1740 Ω
1748 Ω
499 Ω
1400 Ω
RES+
SET-
3
UEU
4
9
5737 GY/GN
1884 BN/YE
1444 WH
X2
7
3
5
X85 Steering Wheel Air Bag Coil
X1
4
8
6
5737 GY/GN
1884 BN/GN
1444 WH/RD
X3
16
9
4
IGN
K20 Engine Control Module
X1
57
6311 WH/BU
X115
4
6311 WH/BU
X5
12
F9DL
K9 Body Control Module
P16 Instrument Cluster
A90 Logic

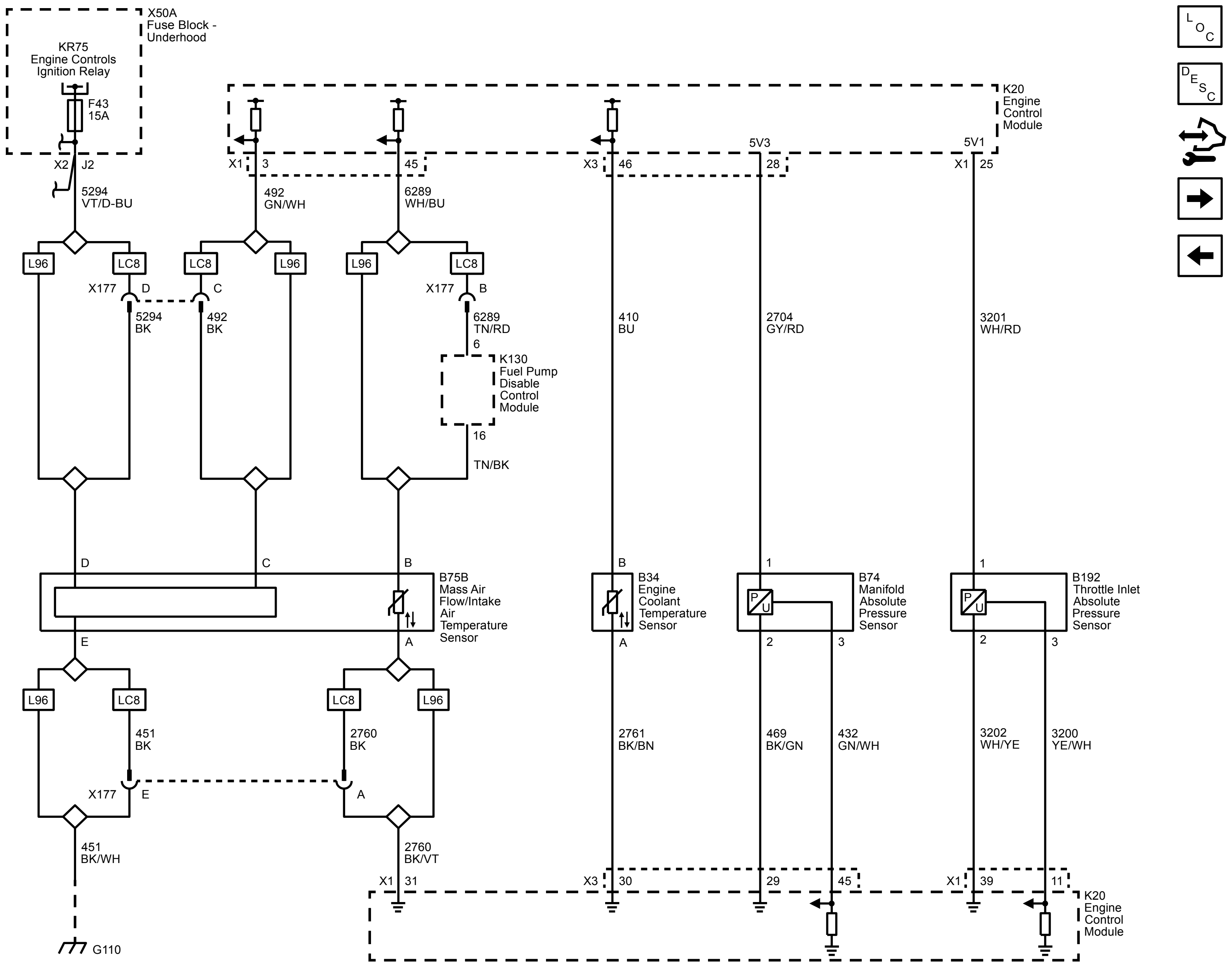
Power, Ground, Serial Data, and MIL


B+
X50A
Fuse Block - Underhood
85
30
KR75
Engine Controls Ignition Relay
86
87
KR73
Ignition Main Relay
F34UA 15A
F57UA 15A
F47UA 15A
F43UA 15A
F44UA 20A
F45UA 20A
F46UA 15A
F50UA 15A
X2
M7
H5
H6
J6
439 VT/L-GN
440 RD/BN
5991 YE
5290 VT/D-BU
P16 Instrument Cluster
A90 Logic
IGN
16
419 BN/WH
X225
25
419 BN/WH
X115
3
419 BN/WH
Data Communication Schematics
5985 VT/YE
2501 WH
2500 D-BU
X1
19
20
40
X2
28
X1
18
43
29
52
IGN
B+
IGN
IGN
K20 Engine Control Module
X2
73
451 BK/WH
G110

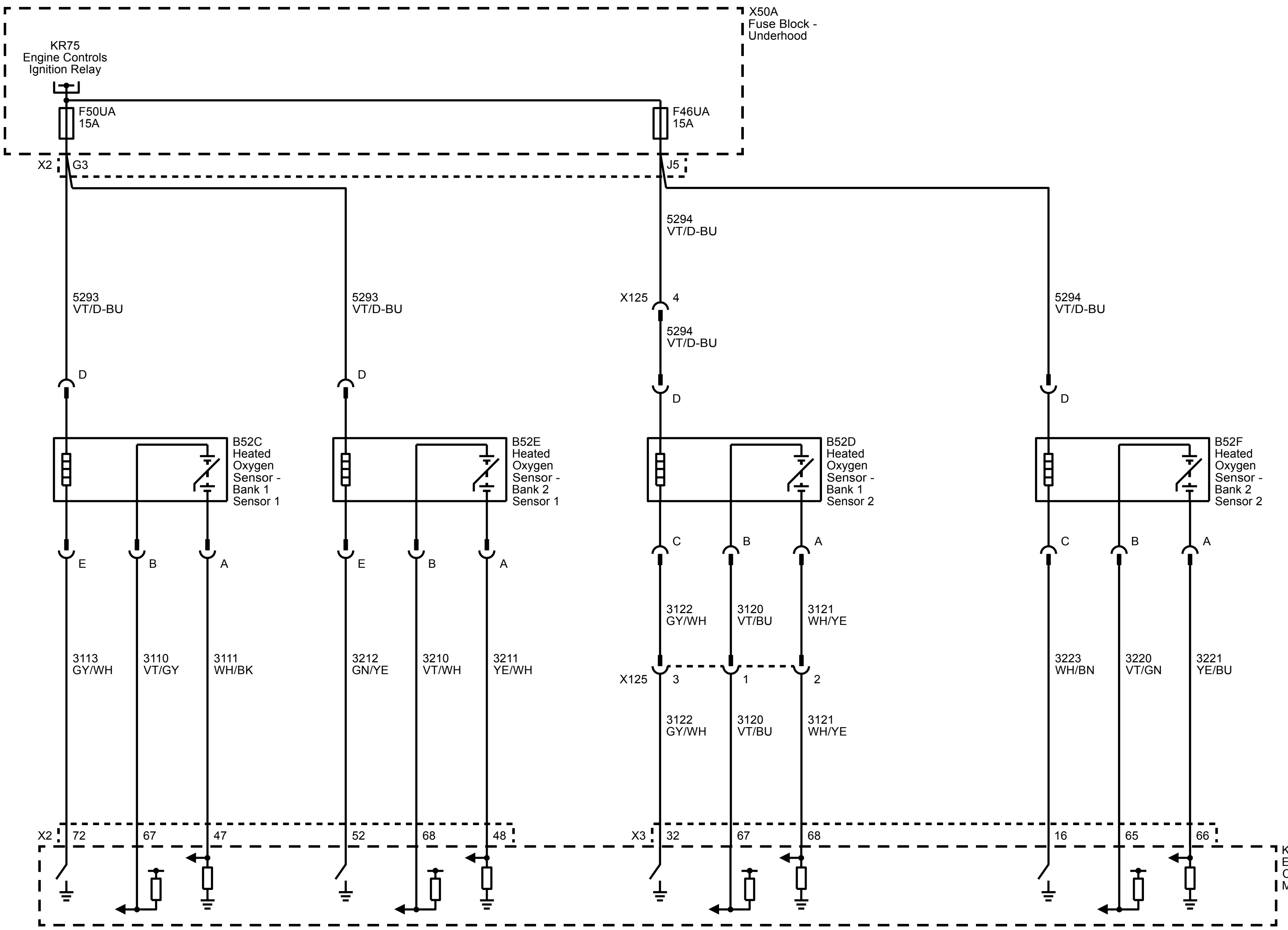
5V1, 5V3, 5V4, and Low Reference Bus (1 of 2)


K20
Engine
Control
Module
5V1
5V3
5V4
X1
26
25
X2
40
41
X3
43
28
X1
16
24
X2
43
C67/CJ2
5300
GY/BU
X159
A
5300
D-BU
A6C
Fuel Pump
and Level
Sensor
Assembly -
Primary
A6D
Fuel Pump
and Level
Sensor
Assembly -
Secondary
X125
16
2709
YE/RD
2709
YE/RD
1274
BN/RD
1164
WH/RD
X115
4
18
1274
BN/RD
1164
WH/RD
2700
BN/RD
3201
WH/RD
2705
WH/RD
2704
GY/RD
2701
BN/RD
B46A
Fuel Level
Sensor -
Primary
B46B
Fuel Level
Sensor -
Secondary
-E29
E29
E29
-E29
X119
25
X119
25
3
X119
3
1274
BN/RD
1164
WH/RD
2
1
A
2
3
1
C
D
E
B1
A/C
Refrigerant
Pressure
Sensor
B192
Throttle Inlet
Absolute
Pressure
Sensor
B23
Camshaft
Position
Sensor
B37B
Engine Oil
Pressure
Sensor
3
3
B150
Fuel
Tank
Pressure
Sensor
B74
Manifold
Absolute
Pressure
Sensor
B107
Accelerator
Pedal
Position
Sensor
Q38
Throttle
Body
1
2
B
3
2
2
A
F
C
6281
BK/GN
6281
BK/GN
6281
BK/GN
N2N
1272
BK/VT
1271
BK/BU
-E29
E29
E29
-E29
J375
X119
27
1
X119
27
X119
1
5514
BK/BN
3202
WH/YE
5301
BN
2755
BK/VT
6281
BK/GN
469
BK/GN
1272
BK/VT
1271
BK/BU
2752
BK/BN
X159
B
X125
12
X115
4
19
5301
BK/GN
6281
BK/GN
1272
BK/VT
1271
BK/BU
K20
Engine
Control
Module
X1
13
39
X2
24
25
X3
27
29
X1
30
38
X2
44
P
Low
Reference
Bus

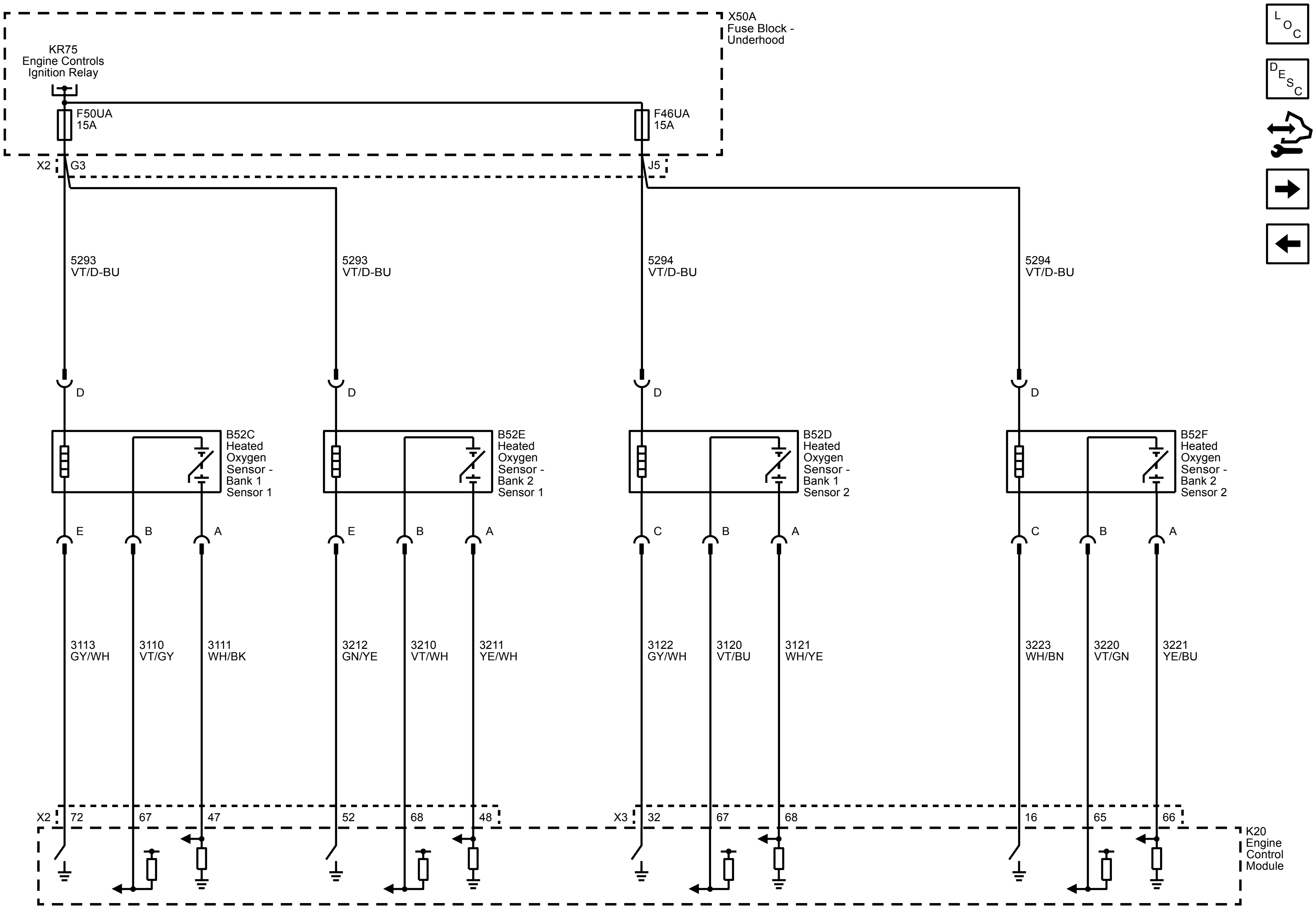

T8A Ignition Coil 1
T8E Ignition Coil 5
T8B Ignition Coil 2
T8F Ignition Coil 6
T8C Ignition Coil 3
T8G Ignition Coil 7
T8D Ignition Coil 4
T8H Ignition Coil 8
B
2129 BN
2130 BN
J109
J112
K20 Engine Control Module
5V2
X2 36
X3 38
MYD
MQ7
5359 WH
6109 GY/RD
X115 7
45
X119 7
X119 13
6270 VT/BU
B34 Engine Coolant Temperature Sensor
A
B75B Mass Air Flow/Intake Air Temperature Sensor
Q6 Camshaft Position Actuator Solenoid Valve
1
C
B26 Crankshaft Position Sensor
6
B22 Brake Pedal Position Sensor
5
B25B Clutch Pedal Position Sensor
B115 Vehicle Speed Sensor
2129 BN
2130 BN
5383 BK/BN
6100 BK/GN
X119 14
X170 E
X171 E
X119 8
2760 BK
2129 BK/BU
6753 PU
2130 BK/GY
6272 BK/VT
2761 BK/BN
822 BK/GN
X177 A
X159 E
X115 8
46
L96
LC8
MQ7/NQF/NQG
2760 BK/VT
6753 BK/BN
X1 31
X2 35
29
19
20
X3 22
30
49
Low Reference Bus
P
K20 Engine Control Module


X50A
Fuse Block - Underhood
KR75
Engine Controls Ignition Relay
F43
15A
X2
J2
5294
VT/D-BU
K20
Engine Control Module
X1
3
45
X3
46
5V3
28
5V1
X1
25
492
GN/WH
6289
WH/BU
L96
LC8
X177
D
C
B
5294
BK
492
BK
6289
TN/RD
6
K130
Fuel Pump Disable Control Module
16
TN/BK
410
BU
2704
GY/RD
3201
WH/RD
D
C
B
B75B
Mass Air Flow/Intake Air Temperature Sensor
E
A
B
B34
Engine Coolant Temperature Sensor
A
1
B74
Manifold Absolute Pressure Sensor
2
3
1
B192
Throttle Inlet Absolute Pressure Sensor
2
3
P
U
451
BK
2760
BK
X177
E
A
2761
BK/BN
469
BK/GN
432
GN/WH
3202
WH/YE
3200
YE/WH
451
BK/WH
2760
BK/VT
X1
31
X3
30
29
45
X1
39
11
K20
Engine Control Module
G110
L
O
C
D
E
S
C

Engine Data Sensors - Heated Oxygen Sensors (without ZW9)

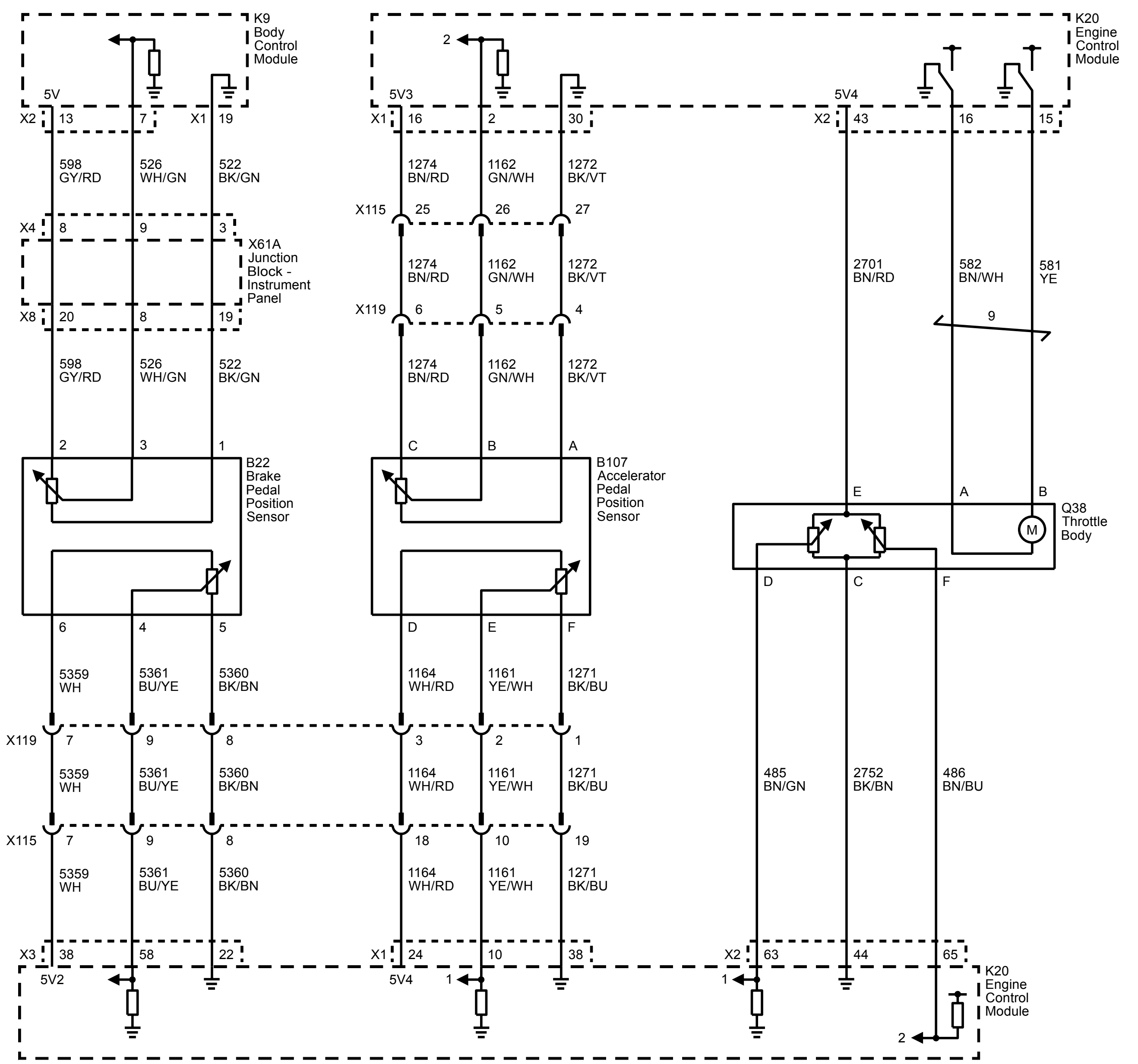

X50A
Fuse Block - Underhood
KR75
Engine Controls Ignition Relay
F50UA
15A
F46UA
15A
X2
G3
J5
5294
VT/D-BU
5293
VT/D-BU
5293
VT/D-BU
X125
4
5294
VT/D-BU
5294
VT/D-BU
D
D
D
D
B52C
Heated Oxygen Sensor - Bank 1 Sensor 1
B52E
Heated Oxygen Sensor - Bank 2 Sensor 1
B52D
Heated Oxygen Sensor - Bank 1 Sensor 2
B52F
Heated Oxygen Sensor - Bank 2 Sensor 2
E
B
A
E
B
A
C
B
A
C
B
A
3122
GY/WH
3120
VT/BU
3121
WH/YE
3113
GY/WH
3110
VT/GY
3111
WH/BK
3212
GN/YE
3210
VT/WH
3211
YE/WH
3223
WH/BN
3220
VT/GN
3221
YE/BU
X125
3
1
2
3122
GY/WH
3120
VT/BU
3121
WH/YE
X2
72
67
47
52
68
48
X3
32
67
68
16
65
66
K20
Engine Control Module

Engine Data Sensors - Heated Oxygen Sensors (ZW9)

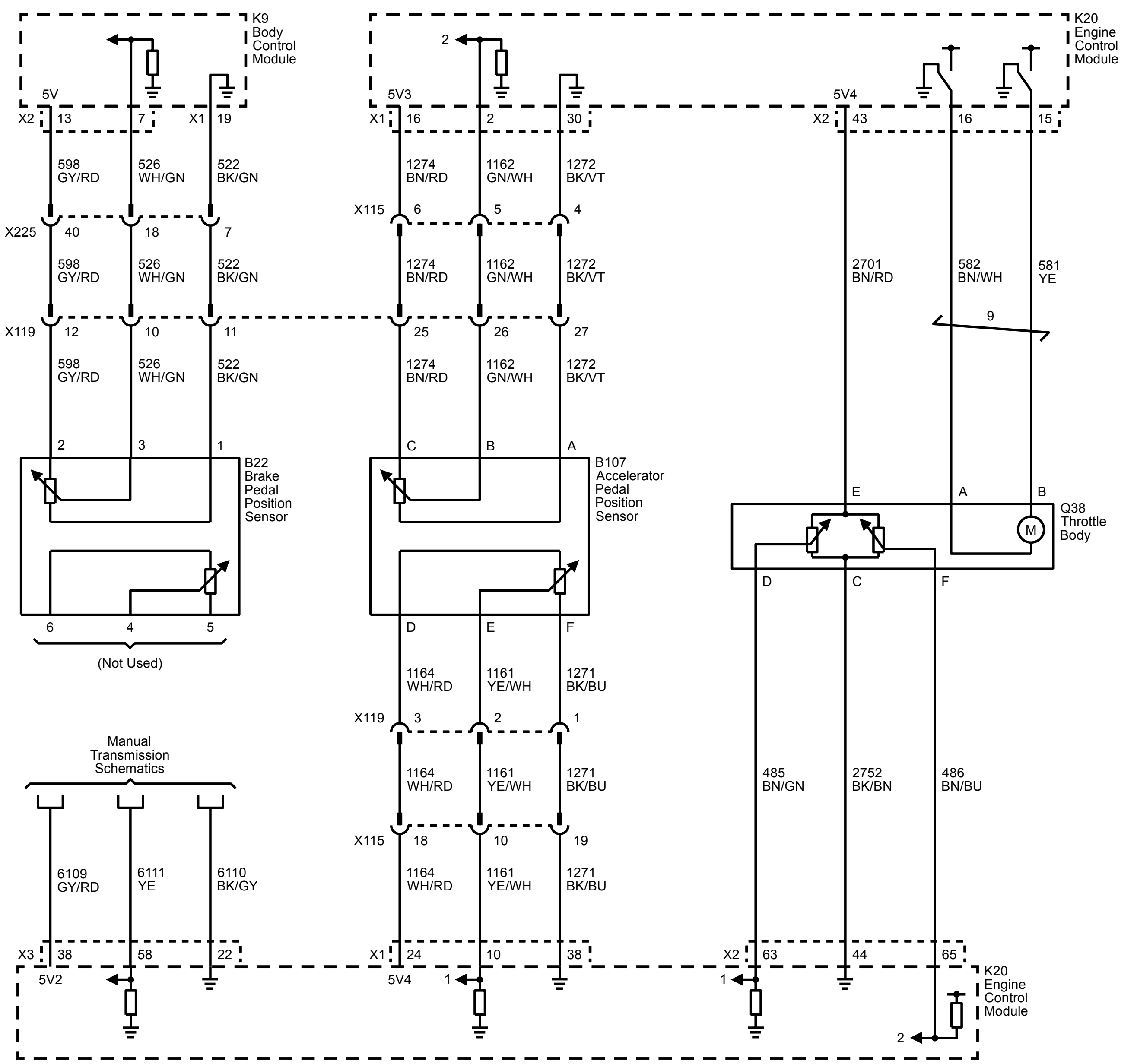

X50A
Fuse Block - Underhood
KR75
Engine Controls
Ignition Relay
F50UA
15A
F46UA
15A
X2
G3
J5
5293
VT/D-BU
5293
VT/D-BU
5294
VT/D-BU
5294
VT/D-BU
D
D
D
D
B52C
Heated
Oxygen
Sensor -
Bank 1
Sensor 1
B52E
Heated
Oxygen
Sensor -
Bank 2
Sensor 1
B52D
Heated
Oxygen
Sensor -
Bank 1
Sensor 2
B52F
Heated
Oxygen
Sensor -
Bank 2
Sensor 2
E
B
A
E
B
A
C
B
A
C
B
A
3113
GY/WH
3110
VT/GY
3111
WH/BK
3212
GN/YE
3210
VT/WH
3211
YE/WH
3122
GY/WH
3120
VT/BU
3121
WH/YE
3223
WH/BN
3220
VT/GN
3221
YE/BU
X2
72
67
47
52
68
48
X3
32
67
68
16
65
66
K20
Engine
Control
Module

2015 CHEVROLET SILVERADO/GMC SIERRA
ELECTRICAL SECTION

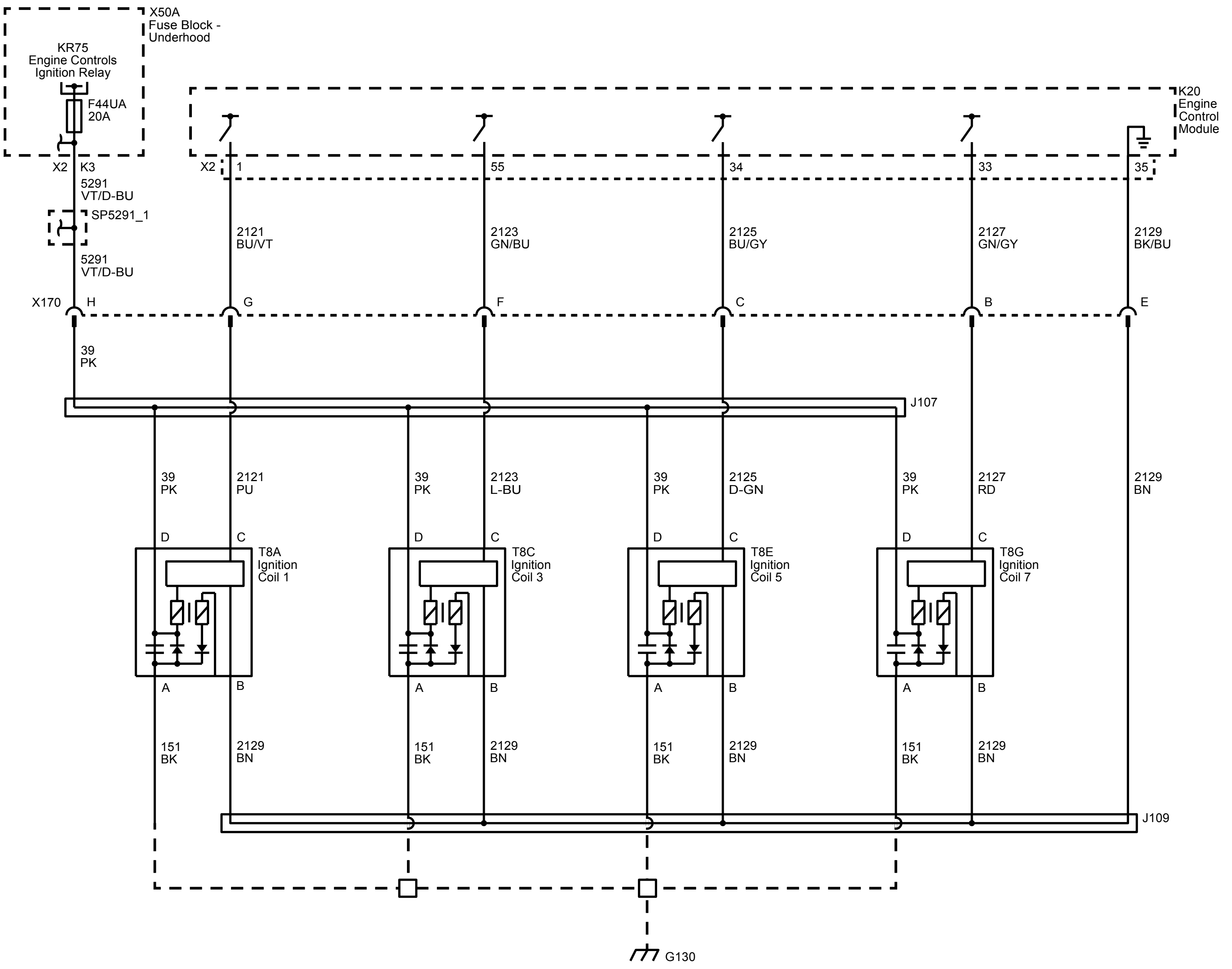
Engine Data Sensors - Throttle Controls and Override (without E29)


K9
Body
Control
Module
5V
X2
13
7
X1
19
598
GY/RD
526
WH/GN
522
BK/GN
X4
8
9
3
X61A
Junction
Block -
Instrument
Panel
X8
20
8
19
598
GY/RD
526
WH/GN
522
BK/GN
2
3
1
B22
Brake
Pedal
Position
Sensor
6
4
5
5359
WH
5361
BU/YE
5360
BK/BN
X119
7
9
8
5359
WH
5361
BU/YE
5360
BK/BN
X115
7
9
8
5359
WH
5361
BU/YE
5360
BK/BN
X3
38
58
22
5V2
2
5V3
X1
16
2
30
1274
BN/RD
1162
GN/WH
1272
BK/VT
X115
25
26
27
1274
BN/RD
1162
GN/WH
1272
BK/VT
X119
6
5
4
1274
BN/RD
1162
GN/WH
1272
BK/VT
C
B
A
B107
Accelerator
Pedal
Position
Sensor
D
E
F
1164
WH/RD
1161
YE/WH
1271
BK/BU
3
2
1
1164
WH/RD
1161
YE/WH
1271
BK/BU
18
10
19
1164
WH/RD
1161
YE/WH
1271
BK/BU
X1
24
10
38
5V4
1
K20
Engine
Control
Module
5V4
X2
43
16
15
2701
BN/RD
582
BN/WH
581
YE
9
E
A
B
Q38
Throttle
Body
M
D
C
F
485
BN/GN
2752
BK/BN
486
BN/BU
X2
63
44
65
1
2
K20
Engine
Control
Module

Engine Data Sensors - Throttle Controls and Override (E29)

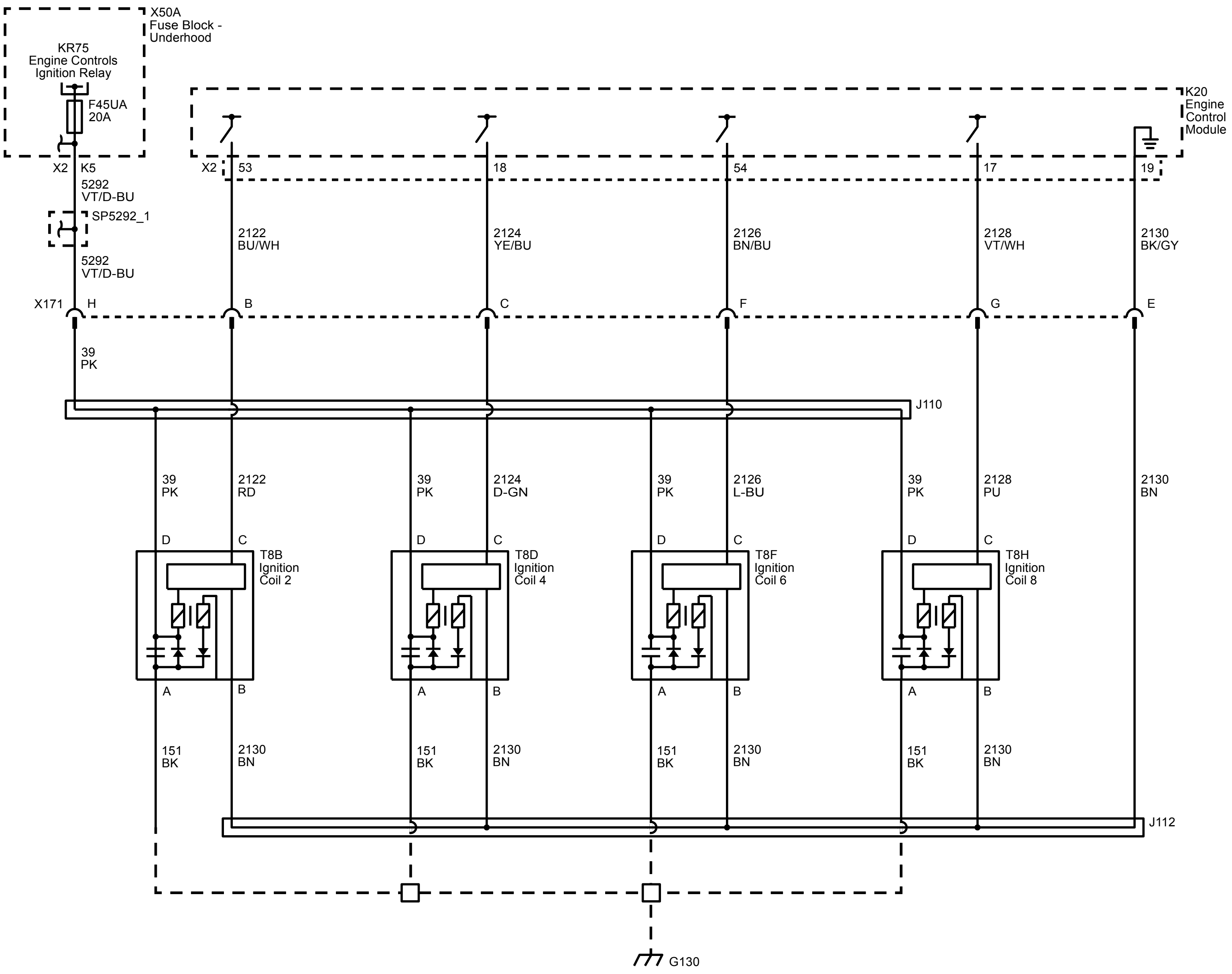

K9 Body Control Module
5V
X2 13
7
X1 19
598 GY/RD
526 WH/GN
522 BK/GN
X225 40 18 7
X119 12 10 11
2 3 1
B22 Brake Pedal Position Sensor
6 4 5
(Not Used)
2
5V3
X1 16 2 30
1274 BN/RD
1162 GN/WH
1272 BK/VT
X115 6 5 4
25 26 27
C B A
B107 Accelerator Pedal Position Sensor
D E F
1164 WH/RD
1161 YE/WH
1271 BK/BU
X119 3 2 1
X115 18 10 19
K20 Engine Control Module
5V4
X2 43 16 15
2701 BN/RD
582 BN/WH
581 YE
9
E A B
Q38 Throttle Body
M
D C F
485 BN/GN
2752 BK/BN
486 BN/BU
Manual Transmission Schematics
6109 GY/RD
6111 YE
6110 BK/GY
X3 38 58 22
5V2
X1 24 10 38
5V4
1
X2 63 44 65
1
2
K20 Engine Control Module

Ignition Controls - Ignition System Coils 1, 3, 5, and 7


X50A
Fuse Block - Underhood
KR75
Engine Controls
Ignition Relay
F44UA
20A
X2
K3
5291
VT/D-BU
SP5291_1
5291
VT/D-BU
K20
Engine
Control
Module
X2
1
55
34
33
35
2121
BU/VT
2123
GN/BU
2125
BU/GY
2127
GN/GY
2129
BK/BU
X170
H
G
F
C
B
E
39
PK
J107
39
PK
2121
PU
39
PK
2123
L-BU
39
PK
2125
D-GN
39
PK
2127
RD
2129
BN
D
C
T8A
Ignition
Coil 1
D
C
T8C
Ignition
Coil 3
D
C
T8E
Ignition
Coil 5
D
C
T8G
Ignition
Coil 7
A
B
A
B
A
B
A
B
151
BK
2129
BN
151
BK
2129
BN
151
BK
2129
BN
151
BK
2129
BN
J109
G130

LOC
DESC

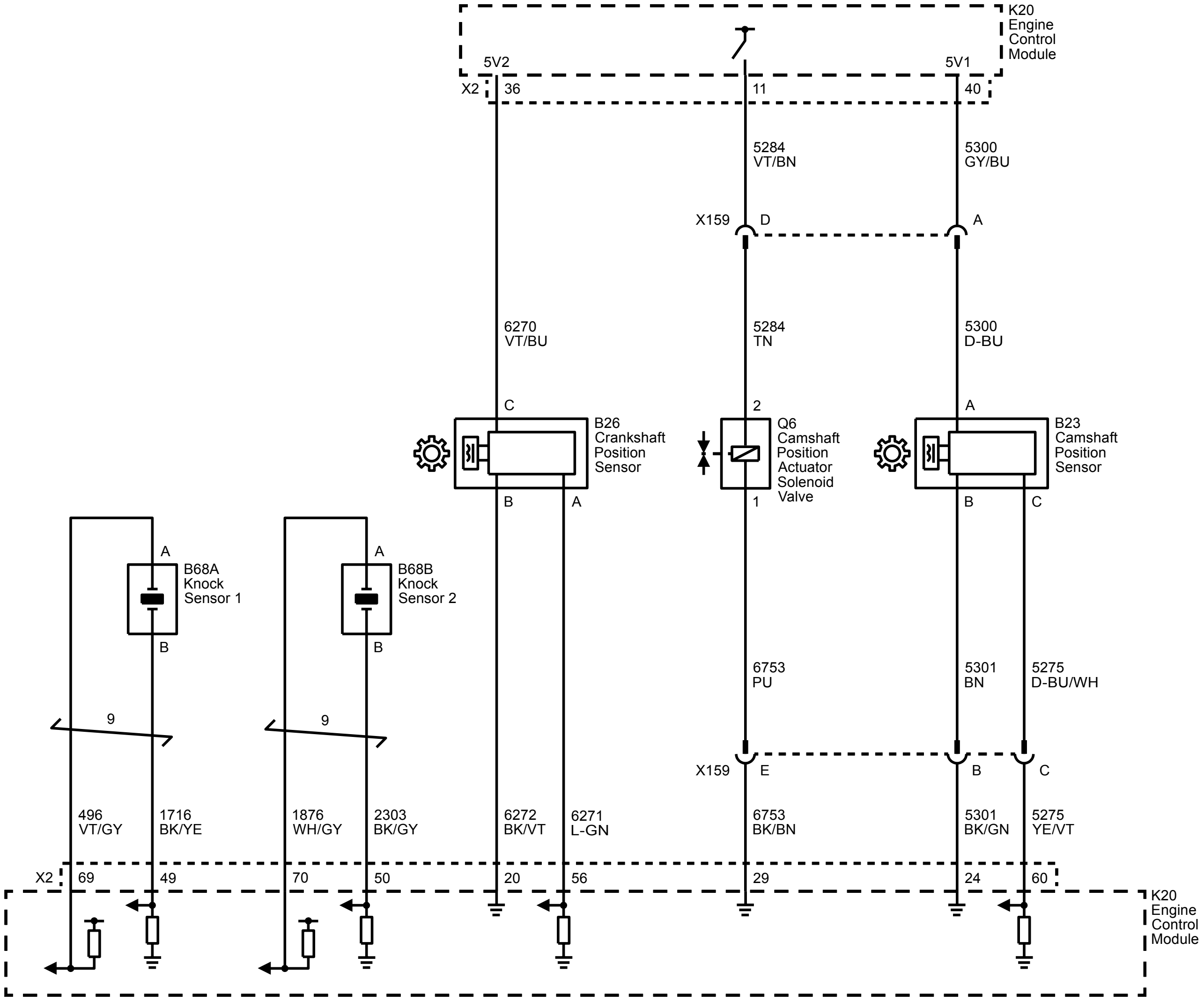
Ignition Controls - Ignition System Coils 2, 4, 6, and 8


X50A
Fuse Block -
Underhood
KR75
Engine Controls
Ignition Relay
F45UA
20A
X2
K5
5292
VT/D-BU
SP5292_1
5292
VT/D-BU
X171
H
39
PK
K20
Engine
Control
Module
X2
53
18
54
17
19
2122
BU/WH
2124
YE/BU
2126
BN/BU
2128
VT/WH
2130
BK/GY
B
C
F
G
E
J110
39
PK
2122
RD
39
PK
2124
D-GN
39
PK
2126
L-BU
39
PK
2128
PU
2130
BN
D
C
T8B
Ignition
Coil 2
D
C
T8D
Ignition
Coil 4
D
C
T8F
Ignition
Coil 6
D
C
T8H
Ignition
Coil 8
A
B
A
B
A
B
A
B
151
BK
2130
BN
151
BK
2130
BN
151
BK
2130
BN
151
BK
2130
BN
J112
G130

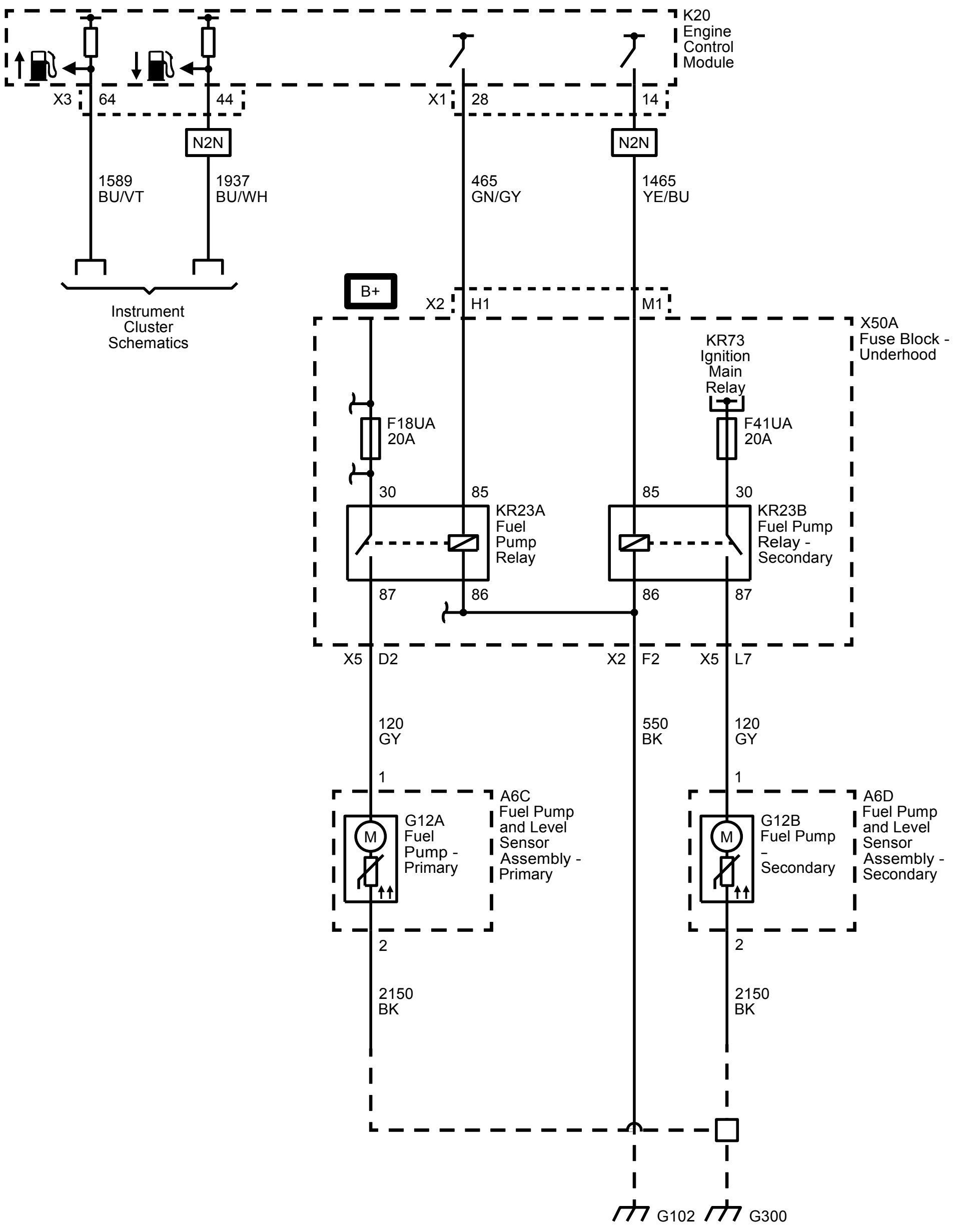
2015 CHEVROLET SILVERADO/GMC SIERRA
ELECTRICAL SECTION

Ignition Controls - Sensors

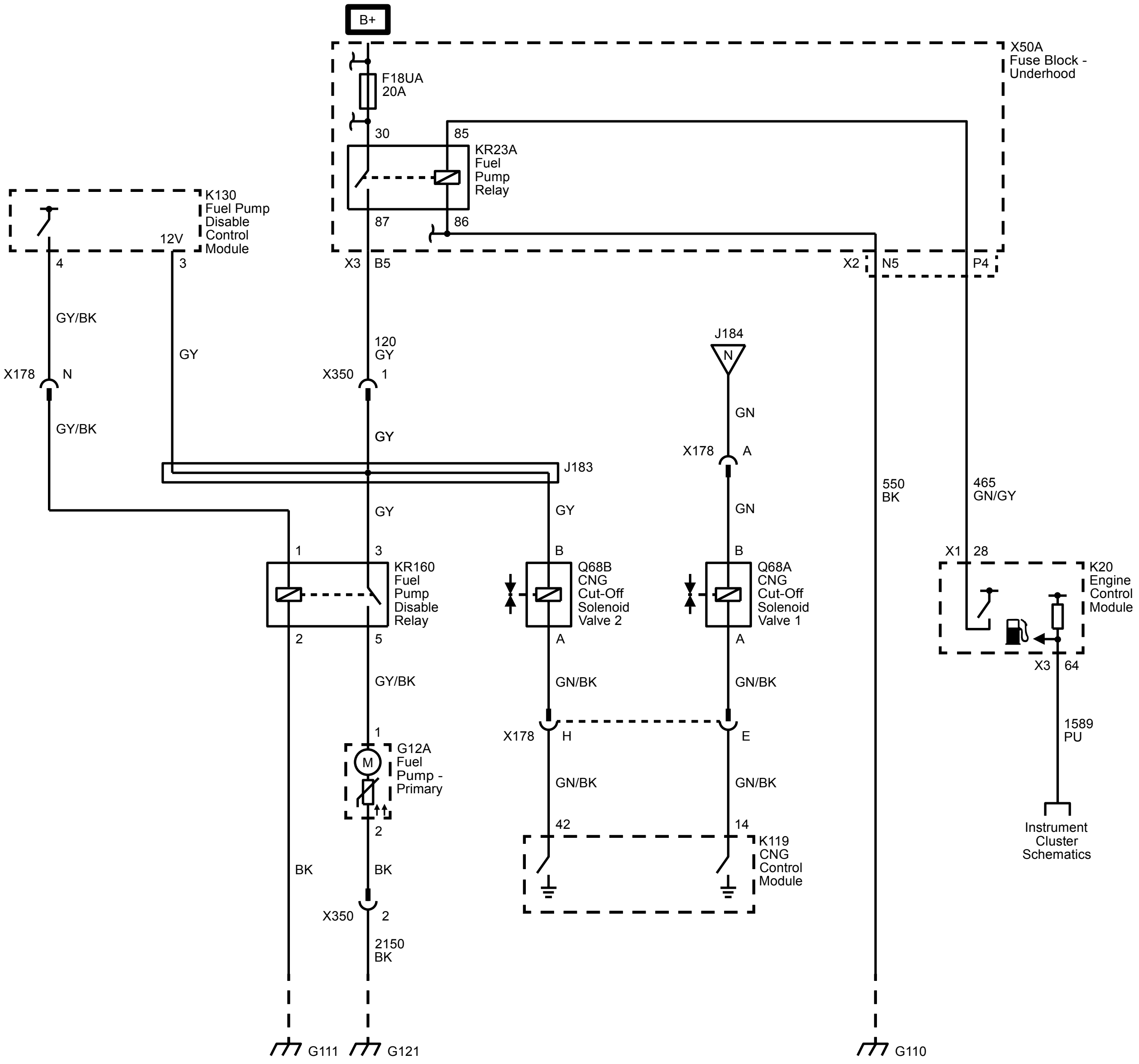
LOC
DESC

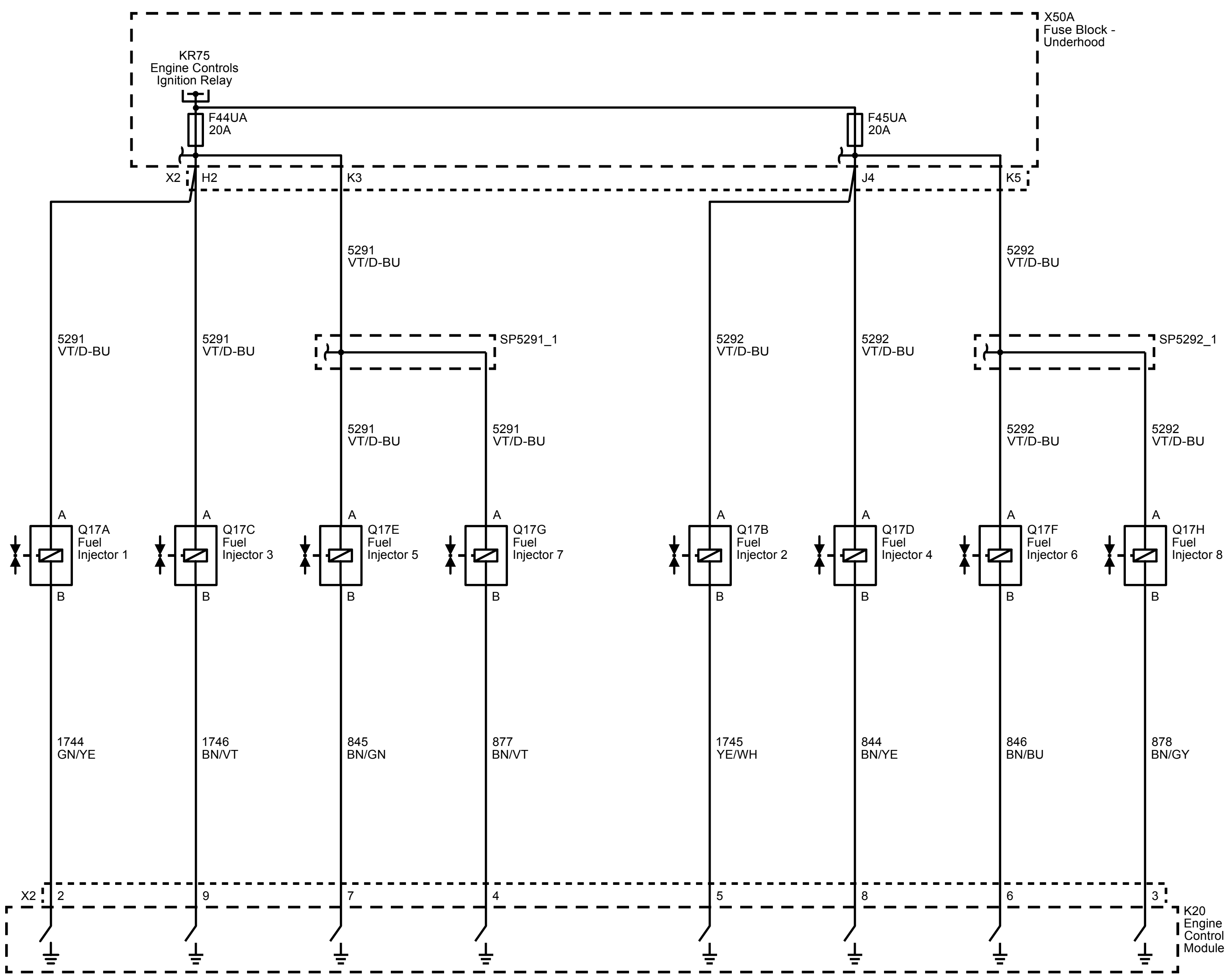

K20
Engine
Control
Module
5V2
5V1
X2
36
11
40
5284
VT/BN
5300
GY/BU
X159
D
A
6270
VT/BU
5284
TN
5300
D-BU
C
2
A
B26
Crankshaft
Position
Sensor
Q6
Camshaft
Position
Actuator
Solenoid
Valve
B23
Camshaft
Position
Sensor
B
A
1
B
C
A
B68A
Knock
Sensor 1
B
A
B68B
Knock
Sensor 2
B
9
9
6753
PU
5301
BN
5275
D-BU/WH
X159
E
B
C
496
VT/GY
1716
BK/YE
1876
WH/GY
2303
BK/GY
6272
BK/VT
6271
L-GN
6753
BK/BN
5301
BK/GN
5275
YE/VT
X2
69
49
70
50
20
56
29
24
60
K20
Engine
Control
Module

Fuel Controls - Fuel Pump (L96)

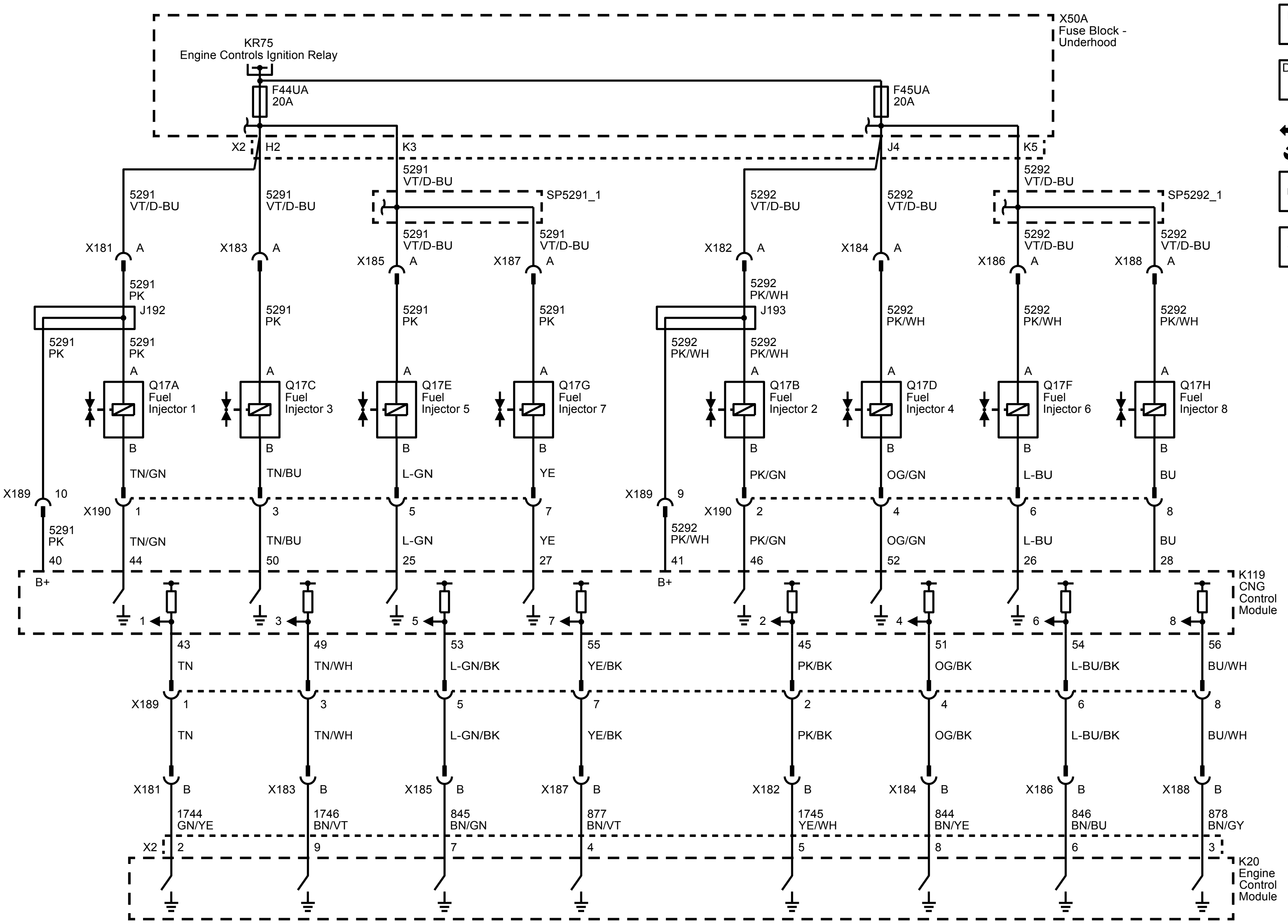

K20 Engine Control Module
X3
64
44
X1
28
14
N2N
N2N
1589 BU/VT
1937 BU/WH
465 GN/GY
1465 YE/BU
Instrument Cluster Schematics
B+
X2
H1
M1
X50A Fuse Block - Underhood
KR73 Ignition Main Relay
F18UA 20A
F41UA 20A
30
85
85
30
KR23A Fuel Pump Relay
KR23B Fuel Pump Relay - Secondary
87
86
86
87
X5
D2
X2
F2
X5
L7
120 GY
550 BK
120 GY
1
1
A6C Fuel Pump and Level Sensor Assembly - Primary
G12A Fuel Pump - Primary
M
A6D Fuel Pump and Level Sensor Assembly - Secondary
G12B Fuel Pump - Secondary
M
2
2
2150 BK
2150 BK
G102
G300

Fuel Controls - Fuel Pump (LC8)


B+
X50A
Fuse Block -
Underhood
F18UA
20A
30
85
KR23A
Fuel
Pump
Relay
87
86
K130
Fuel Pump
Disable
Control
Module
12V
4
3
X3
B5
X2
N5
P4
GY/BK
GY
120
GY
X178
N
X350
1
GY/BK
GY
J183
J184
N
GN
X178
A
GN
550
BK
465
GN/GY
GY
GY
1
3
B
B
X1
28
KR160
Fuel
Pump
Disable
Relay
Q68B
CNG
Cut-Off
Solenoid
Valve 2
Q68A
CNG
Cut-Off
Solenoid
Valve 1
K20
Engine
Control
Module
2
5
A
A
X3
64
GY/BK
GN/BK
GN/BK
1589
PU
X178
H
E
1
G12A
Fuel
Pump -
Primary
M
GN/BK
GN/BK
2
42
14
K119
CNG
Control
Module
Instrument
Cluster
Schematics
BK
BK
X350
2
2150
BK
G111
G121
G110


X50A
Fuse Block - Underhood
KR75
Engine Controls Ignition Relay
F44UA
20A
F45UA
20A
X2
H2
K3
J4
K5
5291
VT/D-BU
5292
VT/D-BU
SP5291_1
SP5292_1
A
B
Q17A
Fuel Injector 1
Q17C
Fuel Injector 3
Q17E
Fuel Injector 5
Q17G
Fuel Injector 7
Q17B
Fuel Injector 2
Q17D
Fuel Injector 4
Q17F
Fuel Injector 6
Q17H
Fuel Injector 8
1744
GN/YE
1746
BN/VT
845
BN/GN
877
BN/VT
1745
YE/WH
844
BN/YE
846
BN/BU
878
BN/GY
X2
2
9
7
4
5
8
6
3
K20
Engine Control Module

Fuel Controls - Fuel Injectors (LC8)


X50A
Fuse Block - Underhood
KR75
Engine Controls Ignition Relay
F44UA
20A
F45UA
20A
X2
H2
K3
J4
K5
5291
VT/D-BU
5292
VT/D-BU
SP5291_1
SP5292_1
X181
X182
X183
X184
X185
X186
X187
X188
A
B
5291
PK
5292
PK/WH
J192
J193
Q17A
Fuel
Injector 1
Q17C
Fuel
Injector 3
Q17E
Fuel
Injector 5
Q17G
Fuel
Injector 7
Q17B
Fuel
Injector 2
Q17D
Fuel
Injector 4
Q17F
Fuel
Injector 6
Q17H
Fuel
Injector 8
TN/GN
TN/BU
L-GN
YE
PK/GN
OG/GN
L-BU
BU
X189
10
9
X190
1
3
5
7
2
4
6
8
40
44
50
25
27
41
46
52
26
28
B+
K119
CNG
Control
Module
43
49
53
55
45
51
54
56
TN
TN/WH
L-GN/BK
YE/BK
PK/BK
OG/BK
L-BU/BK
BU/WH
1744
GN/YE
1746
BN/VT
845
BN/GN
877
BN/VT
1745
YE/WH
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BN/BU
878
BN/GY
2
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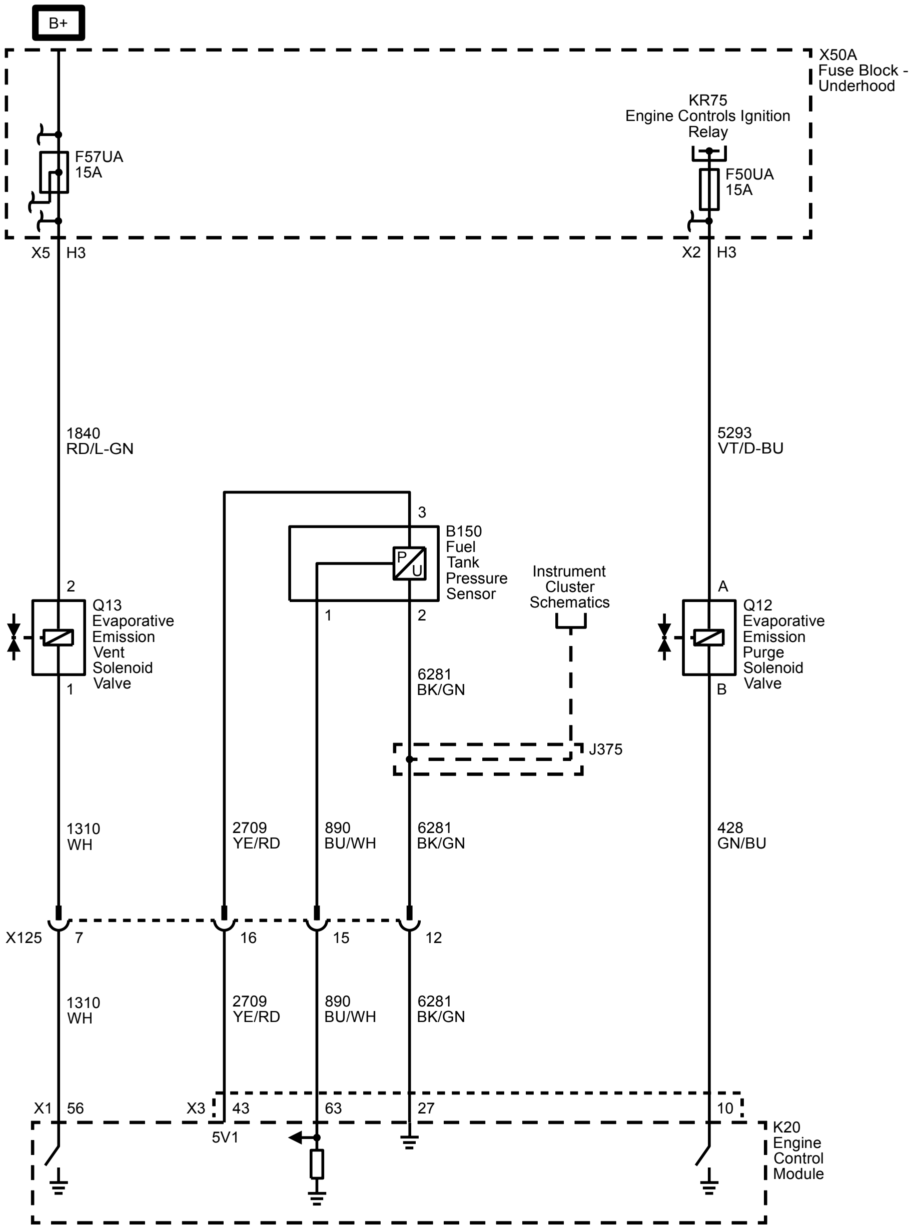
7
4
5
8
6
3
K20
Engine
Control
Module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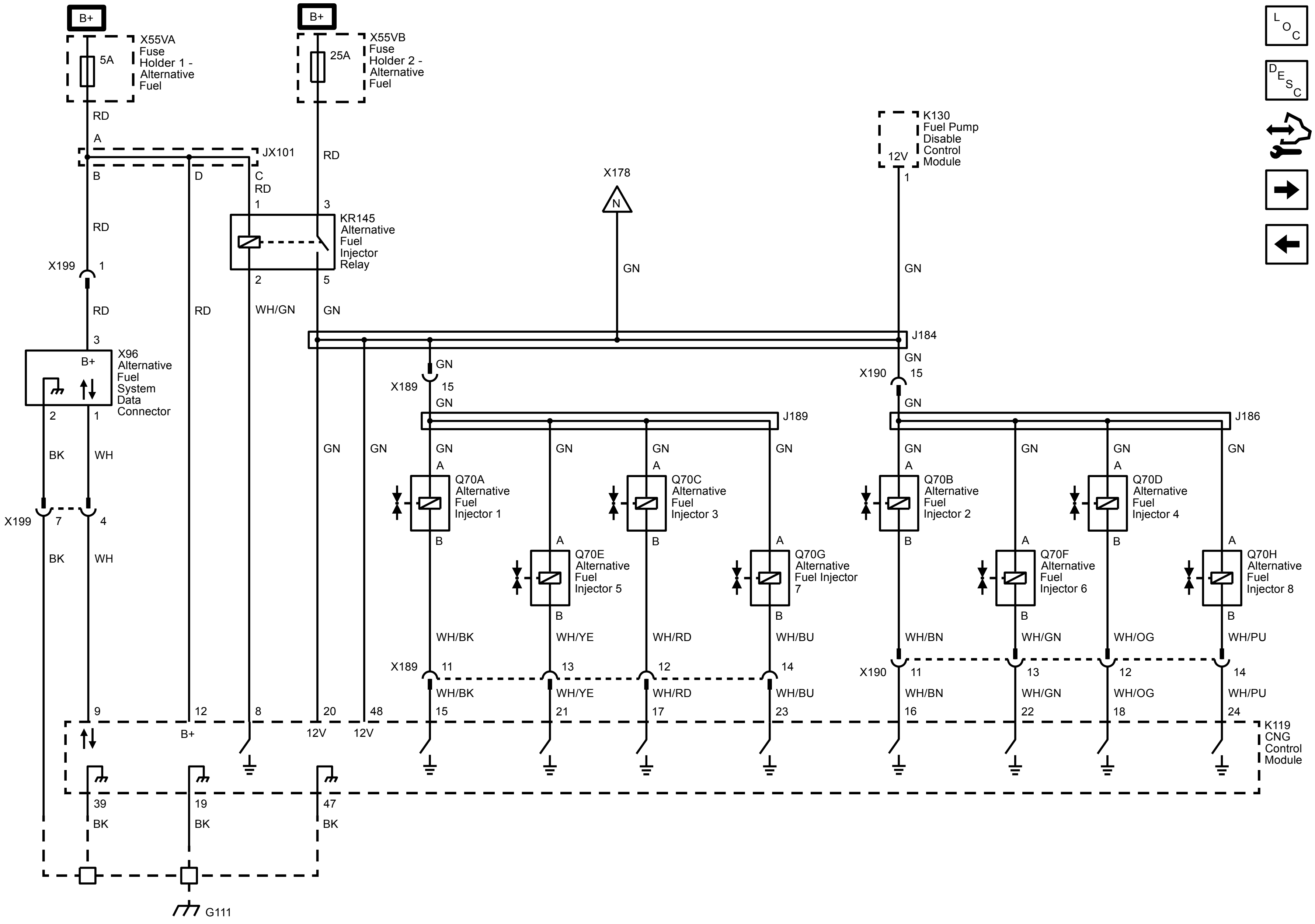
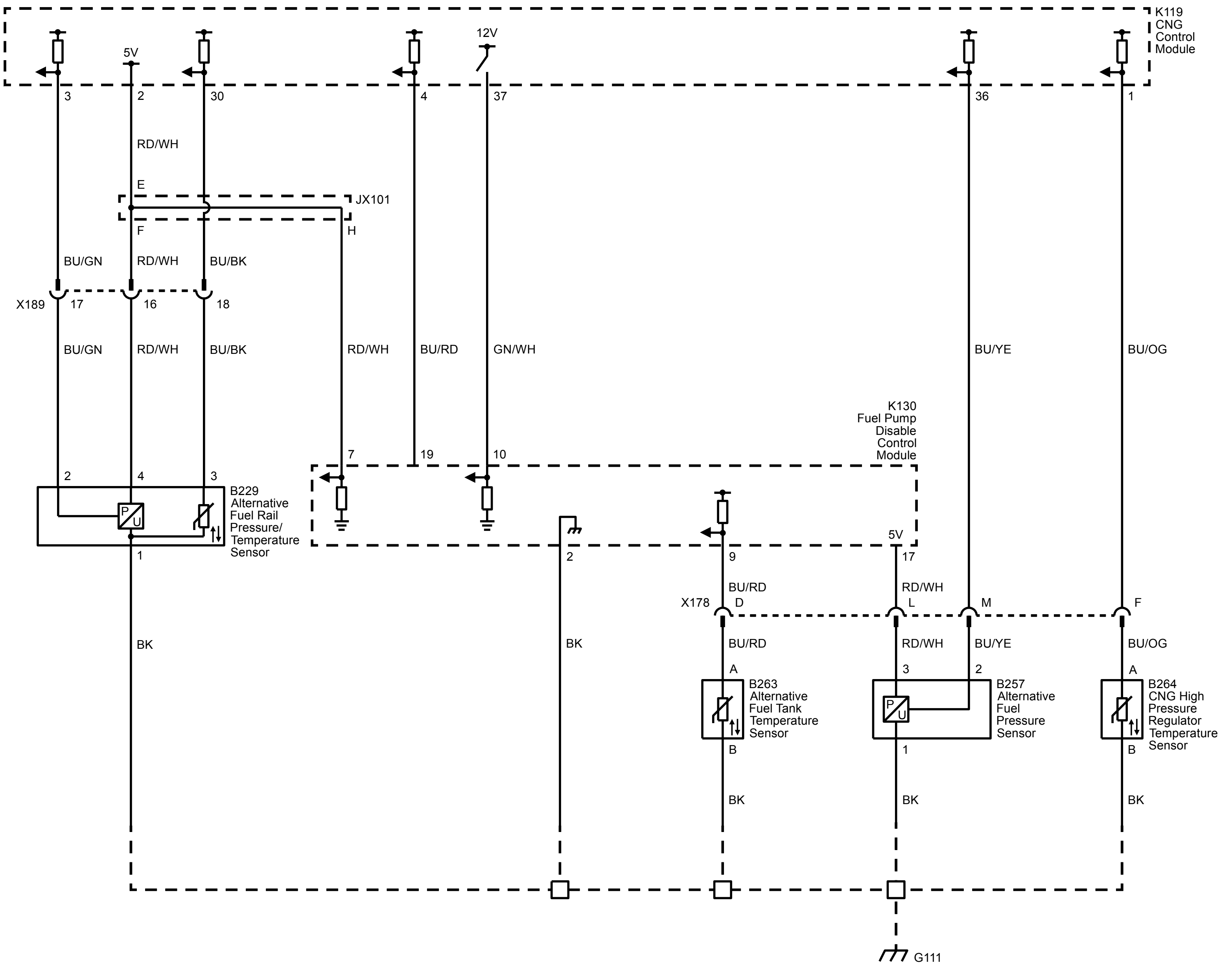
X50A
Fuse Block -
Underhood
F57UA
15A
KR75
Engine Controls Ignition
Relay
F50UA
15A
X5
H3
X2
H3
1840
RD/L-GN
5293
VT/D-BU
3
B150
Fuel
Tank
Pressure
Sensor
P
U
1
2
Instrument
Cluster
Schematics
2
Q13
Evaporative
Emission
Vent
Solenoid
Valve
1
A
Q12
Evaporative
Emission
Purge
Solenoid
Valve
B
6281
BK/GN
J375
1310
WH
2709
YE/RD
890
BU/WH
6281
BK/GN
428
GN/BU
X125
7
16
15
12
1310
WH
2709
YE/RD
890
BU/WH
6281
BK/GN
X1
56
X3
43
63
27
10
5V1
K20
Engine
Control
Module

Power, Ground and Alternative Fuel Injectors (LC8)

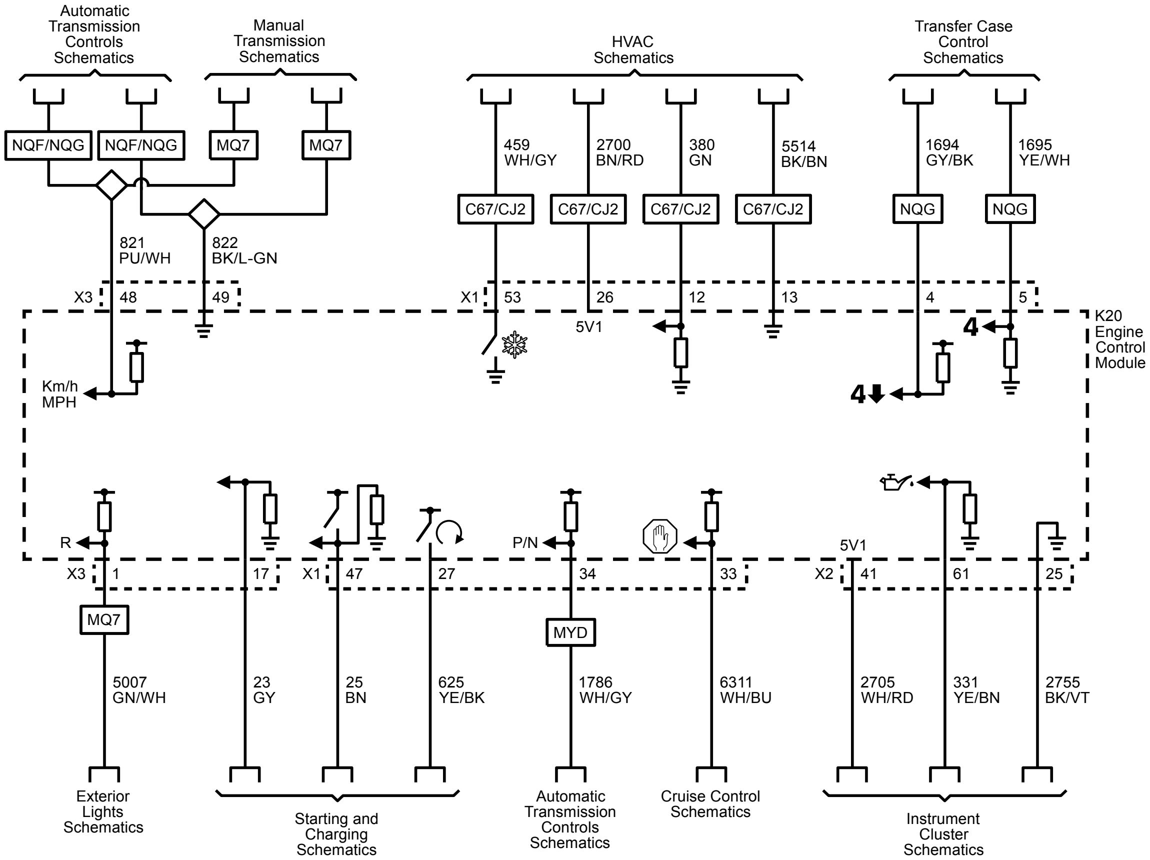

B+
X55VA Fuse Holder 1 - Alternative Fuel
5A
B+
X55VB Fuse Holder 2 - Alternative Fuel
25A
RD
A
JX101
B
D
C
RD
RD
1
3
KR145 Alternative Fuel Injector Relay
2
5
X178
N
K130 Fuel Pump Disable Control Module
12V
1
GN
GN
RD
X199
1
RD
RD
WH/GN
GN
J184
3
X96 Alternative Fuel System Data Connector
B+
2
1
GN
X189
15
GN
GN
X190
15
GN
J189
J186
BK
WH
GN
GN
GN
GN
GN
GN
GN
GN
GN
GN
A
Q70A Alternative Fuel Injector 1
A
Q70C Alternative Fuel Injector 3
A
Q70B Alternative Fuel Injector 2
A
Q70D Alternative Fuel Injector 4
X199
7
4
B
A
Q70E Alternative Fuel Injector 5
B
A
Q70G Alternative Fuel Injector 7
B
A
Q70F Alternative Fuel Injector 6
B
A
Q70H Alternative Fuel Injector 8
BK
WH
B
B
B
B
WH/BK
WH/YE
WH/RD
WH/BU
WH/BN
WH/GN
WH/OG
WH/PU
X189
11
13
12
14
X190
11
13
12
14
WH/BK
WH/YE
WH/RD
WH/BU
WH/BN
WH/GN
WH/OG
WH/PU
9
12
8
20
48
15
21
17
23
16
22
18
24
B+
12V
12V
K119 CNG Control Module
39
19
47
BK
BK
BK
G111

CNG Pressure and Temperature (LC8)


K119
CNG
Control
Module
5V
12V
3
2
30
4
37
36
1
RD/WH
E
JX101
F
H
BU/GN
RD/WH
BU/BK
X189
17
16
18
BU/GN
RD/WH
BU/BK
RD/WH
BU/RD
GN/WH
BU/YE
BU/OG
K130
Fuel Pump
Disable
Control
Module
7
19
10
2
4
3
B229
Alternative
Fuel Rail
Pressure/
Temperature
Sensor
P
U
1
2
5V
9
17
BU/RD
RD/WH
X178
D
L
M
F
BK
BK
BU/RD
RD/WH
BU/YE
BU/OG
A
3
2
A
B263
Alternative
Fuel Tank
Temperature
Sensor
B257
Alternative
Fuel
Pressure
Sensor
B264
CNG High
Pressure
Regulator
Temperature
Sensor
B
1
B
BK
BK
BK
G111

2015 CHEVROLET SILVERADO/GMC SIERRA
ELECTRICAL SECTION

Controlled/Monitored Subsystem References


Automatic Transmission Controls Schematics
Manual Transmission Schematics
HVAC Schematics
Transfer Case Control Schematics
NQF/NQG
NQF/NQG
MQ7
MQ7
459 WH/GY
2700 BN/RD
380 GN
5514 BK/BN
1694 GY/BK
1695 YE/WH
C67/CJ2
C67/CJ2
C67/CJ2
C67/CJ2
NQG
NQG
821 PU/WH
822 BK/L-GN
X3
48
49
X1
53
26
12
13
4
5
K20 Engine Control Module
5V1
4
4
Km/h MPH
R
P/N
5V1
X3
1
17
X1
47
27
34
33
X2
41
61
25
MQ7
MYD
5007 GN/WH
23 GY
25 BN
625 YE/BK
1786 WH/GY
6311 WH/BU
2705 WH/RD
331 YE/BN
2755 BK/VT
Exterior Lights Schematics
Starting and Charging Schematics
Automatic Transmission Controls Schematics
Cruise Control Schematics
Instrument Cluster Schematics

Description and Operation

Fast Idle System Description

Fast Idle

Fast Idle (UF3) is available on heavy duty engines equipped with cruise control. The purpose of fast idle is to increase engine idle speed. The system is controlled through the steering wheel mounted cruise control switches. Upon activation a signal is sent through the body control module (BCM) to the engine control module (ECM) commanding an increase in engine speed.

The instrument panel will indicate the fast idle system is active by displaying a message across the driver information center (DIC).

Fast Idle Enable and Disable

To enable the fast idle system, perform the following procedure:

1. Engine running.
2. Park brake set.
3. Transmission shifter in P (park) or N (neutral).
4. Press and release the cruise control ON/OFF button.
5. Press and release the cruise control SET button.

When the procedure is followed the engine idle speed will increase to approximately 1,200 RPM.

The manual fast idle system will be disabled if any of the following procedures are performed:

- Brake applied
- Cruise control CANCEL, ON/OFF, or SET buttons depressed
- Park brake released
- Accelerator pedal depressed more than 25%
- Clutch applied
- Ignition switch turned to the LOCK/OFF position

Engine Controls and Fuel - 5.3L (L83) or 6.2L (L86)

Schematic and Routing Diagrams

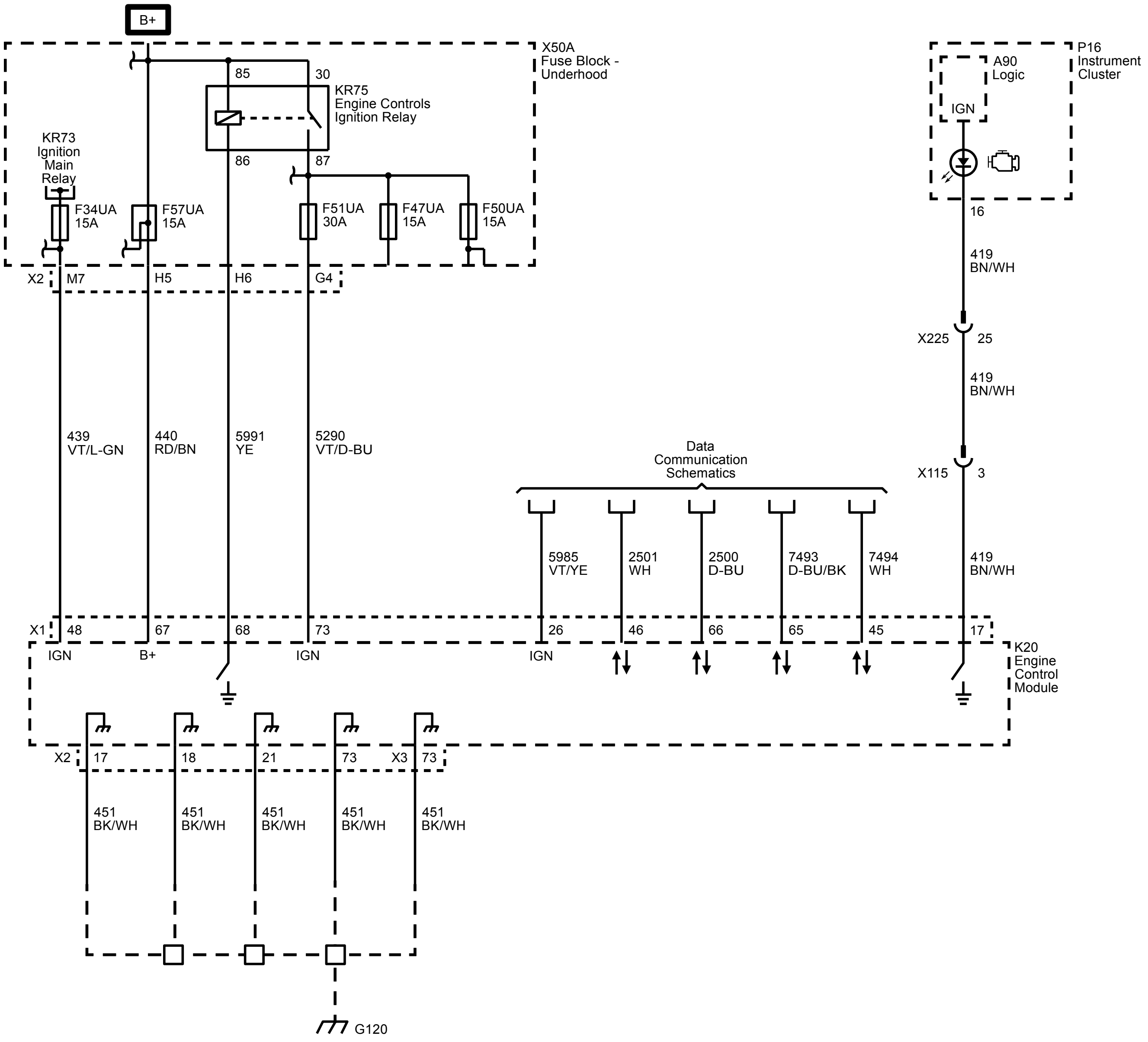
Engine Controls and Fuel - 6.6L (LML)

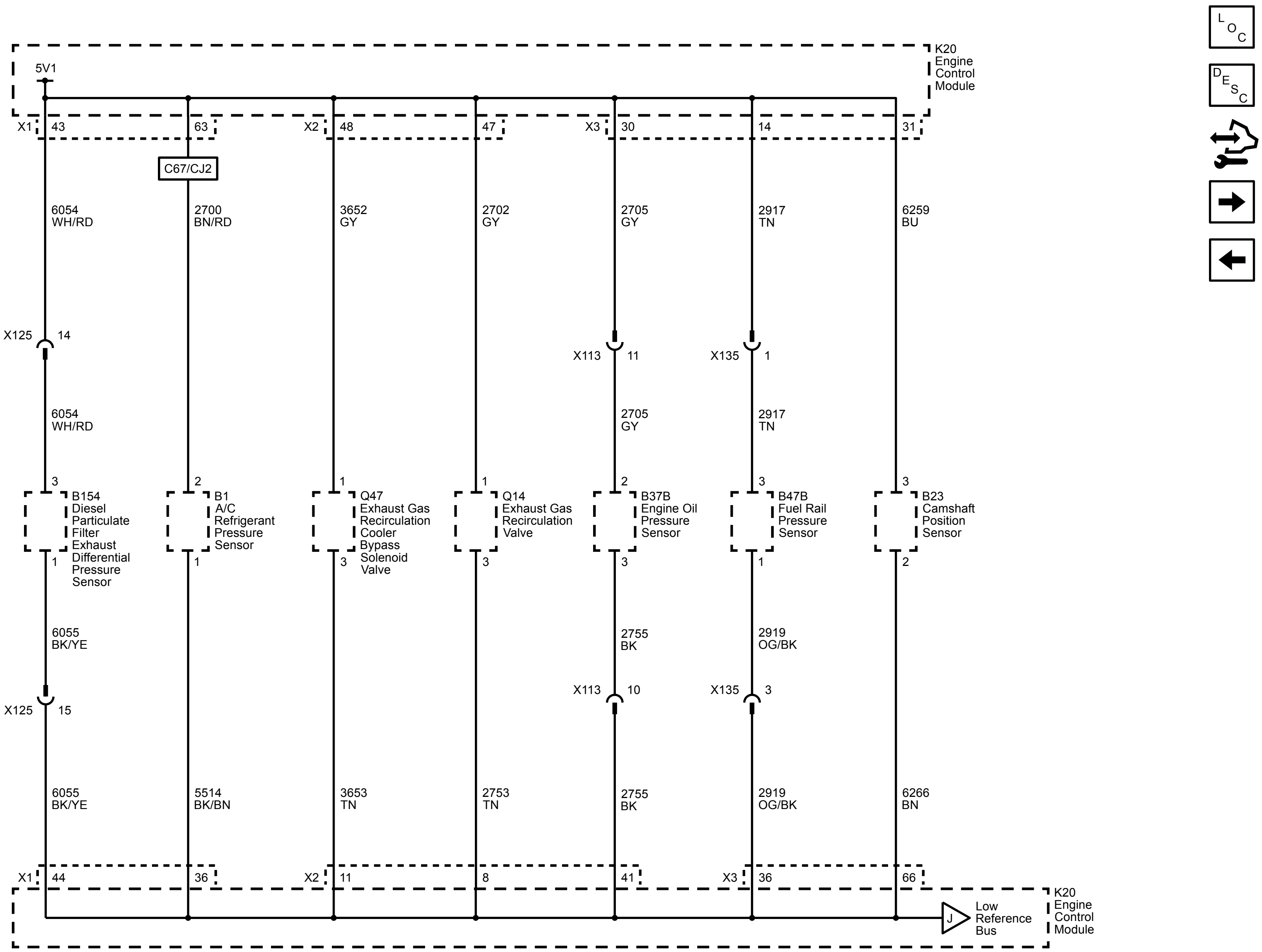
Schematic and Routing Diagrams

Engine Controls Schematics

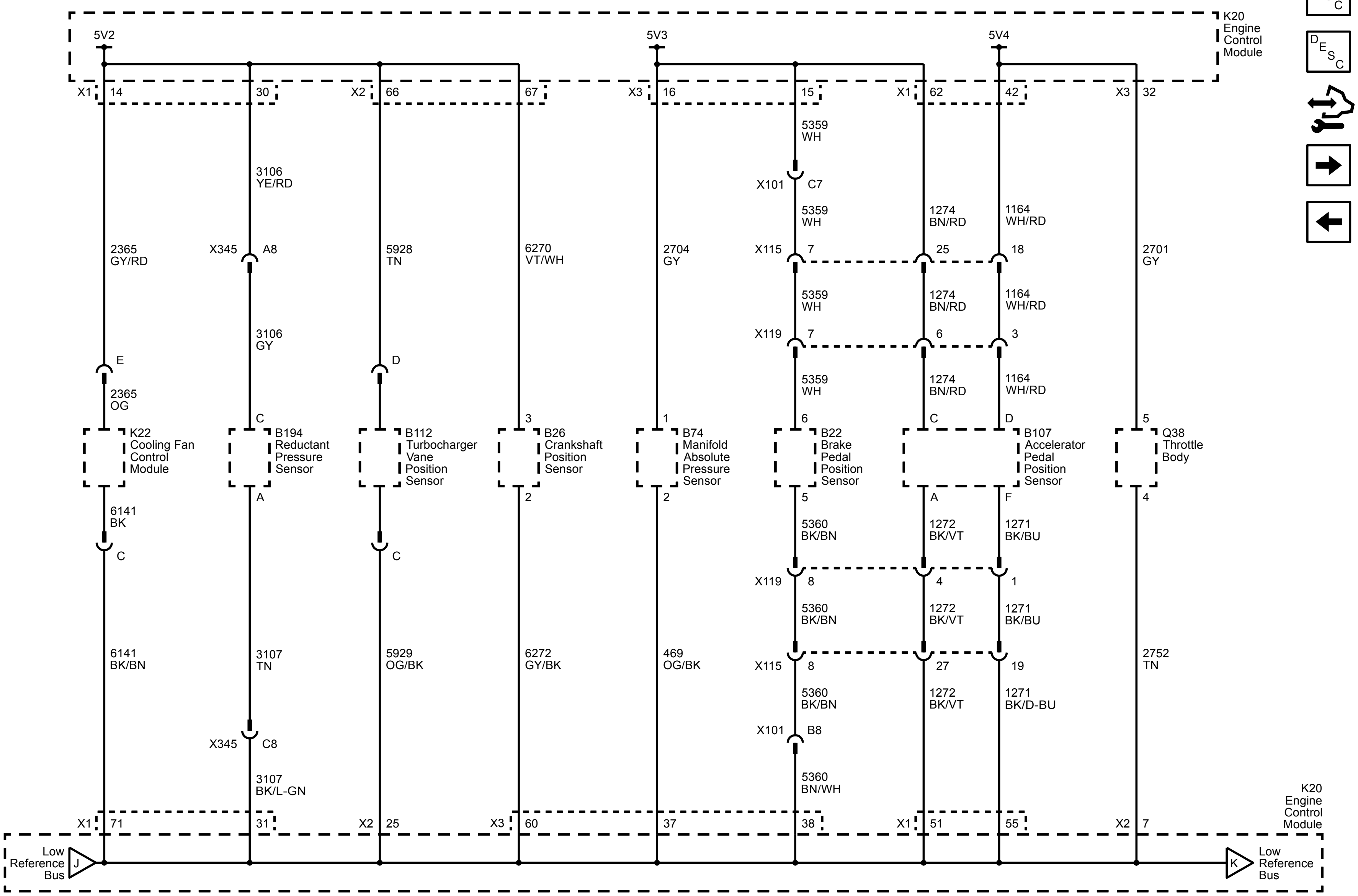
Power, Ground, Serial Data, and MIL

LOC
DESC

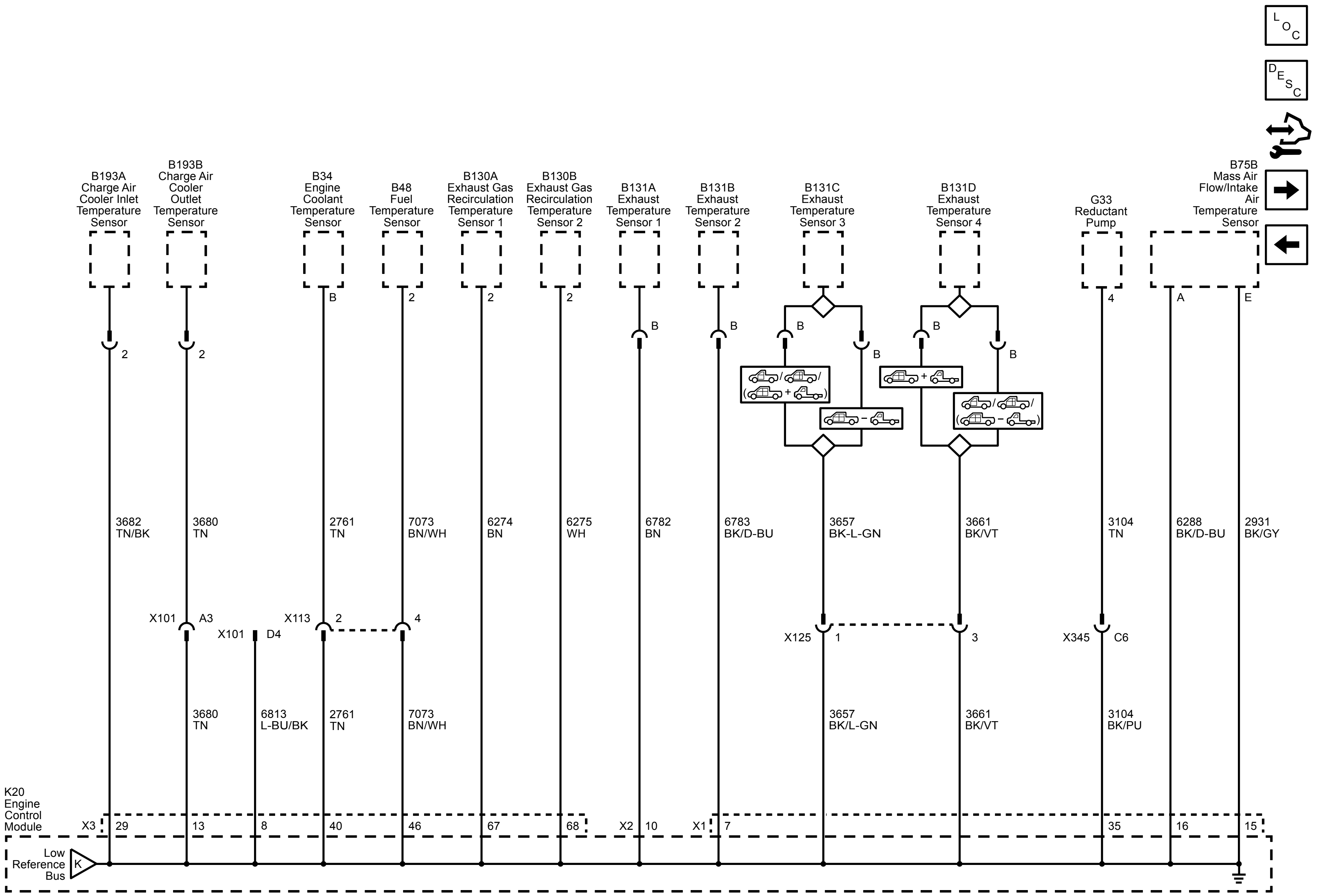

B+
X50A
Fuse Block - Underhood
85
30
KR75
Engine Controls Ignition Relay
86
87
KR73
Ignition Main Relay
F34UA
15A
F57UA
15A
F51UA
30A
F47UA
15A
F50UA
15A
X2
M7
H5
H6
G4
439
VT/L-GN
440
RD/BN
5991
YE
5290
VT/D-BU
Data Communication Schematics
5985
VT/YE
2501
WH
2500
D-BU
7493
D-BU/BK
7494
WH
P16
Instrument Cluster
A90
Logic
IGN
16
419
BN/WH
X225
25
419
BN/WH
X115
3
419
BN/WH
X1
48
67
68
73
26
46
66
65
45
17
IGN
B+
IGN
IGN
K20
Engine Control Module
X2
17
18
21
73
X3
73
451
BK/WH
451
BK/WH
451
BK/WH
451
BK/WH
451
BK/WH
G120

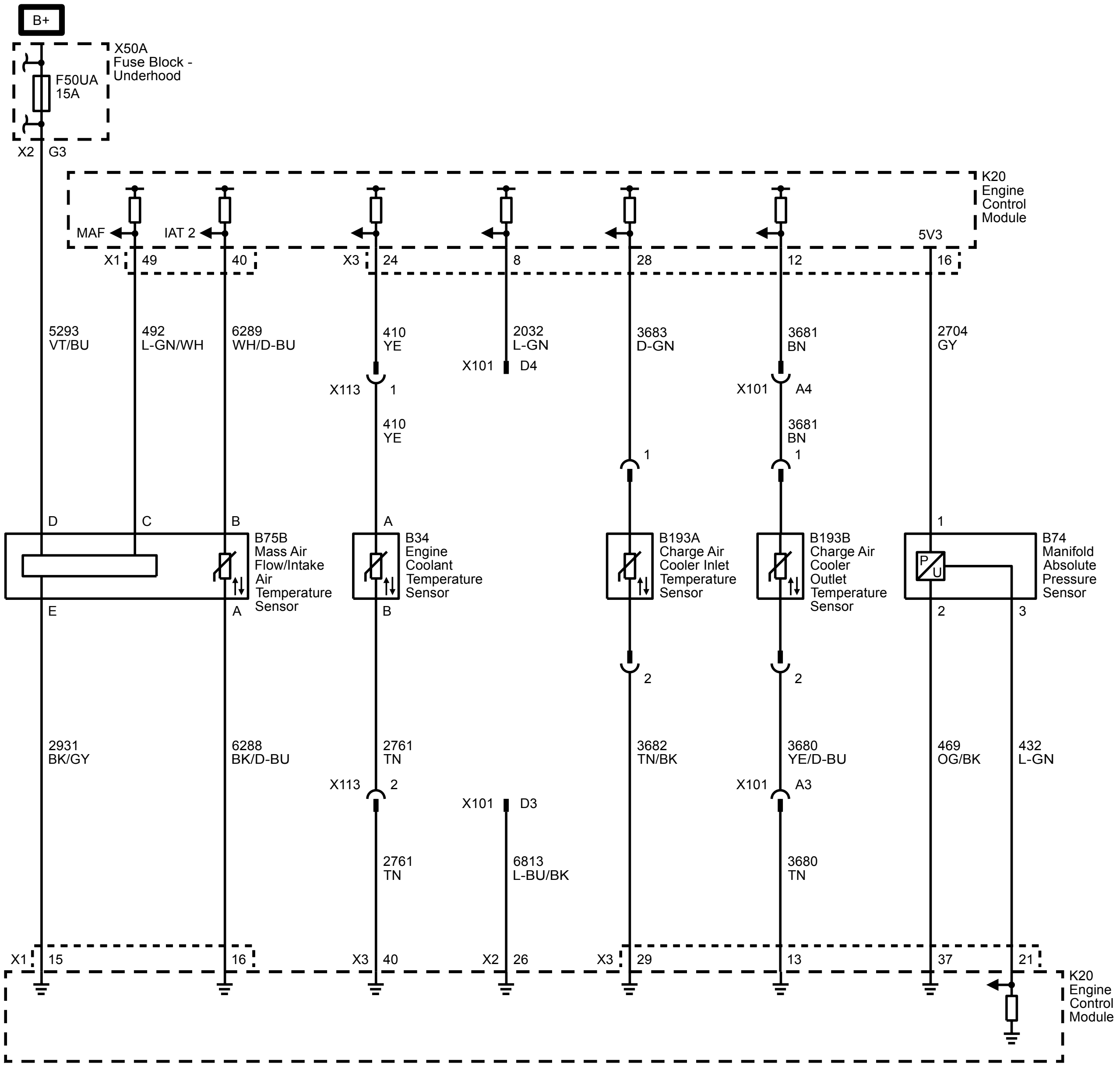

K20 Engine Control Module
5V1
X1 43 63
X2 48 47
X3 30 14 31
C67/CJ2
6054 WH/RD
2700 BN/RD
3652 GY
2702 GY
2705 GY
2917 TN
6259 BU
X125 14
X113 11
X135 1
6054 WH/RD
2705 GY
2917 TN
3 B154 Diesel Particulate Filter Exhaust Differential Pressure Sensor 1
2 B1 A/C Refrigerant Pressure Sensor 1
1 Q47 Exhaust Gas Recirculation Cooler Bypass Solenoid Valve 3
1 Q14 Exhaust Gas Recirculation Valve 3
2 B37B Engine Oil Pressure Sensor 3
3 B47B Fuel Rail Pressure Sensor 1
3 B23 Camshaft Position Sensor 2
6055 BK/YE
2755 BK
2919 OG/BK
X125 15
X113 10
X135 3
6055 BK/YE
5514 BK/BN
3653 TN
2753 TN
2755 BK
2919 OG/BK
6266 BN
X1 44 36
X2 11 8 41
X3 36 66
J Low Reference Bus
K20 Engine Control Module

5V2, 5V3 and 5V4, and Low Reference Bus (2 of 3)

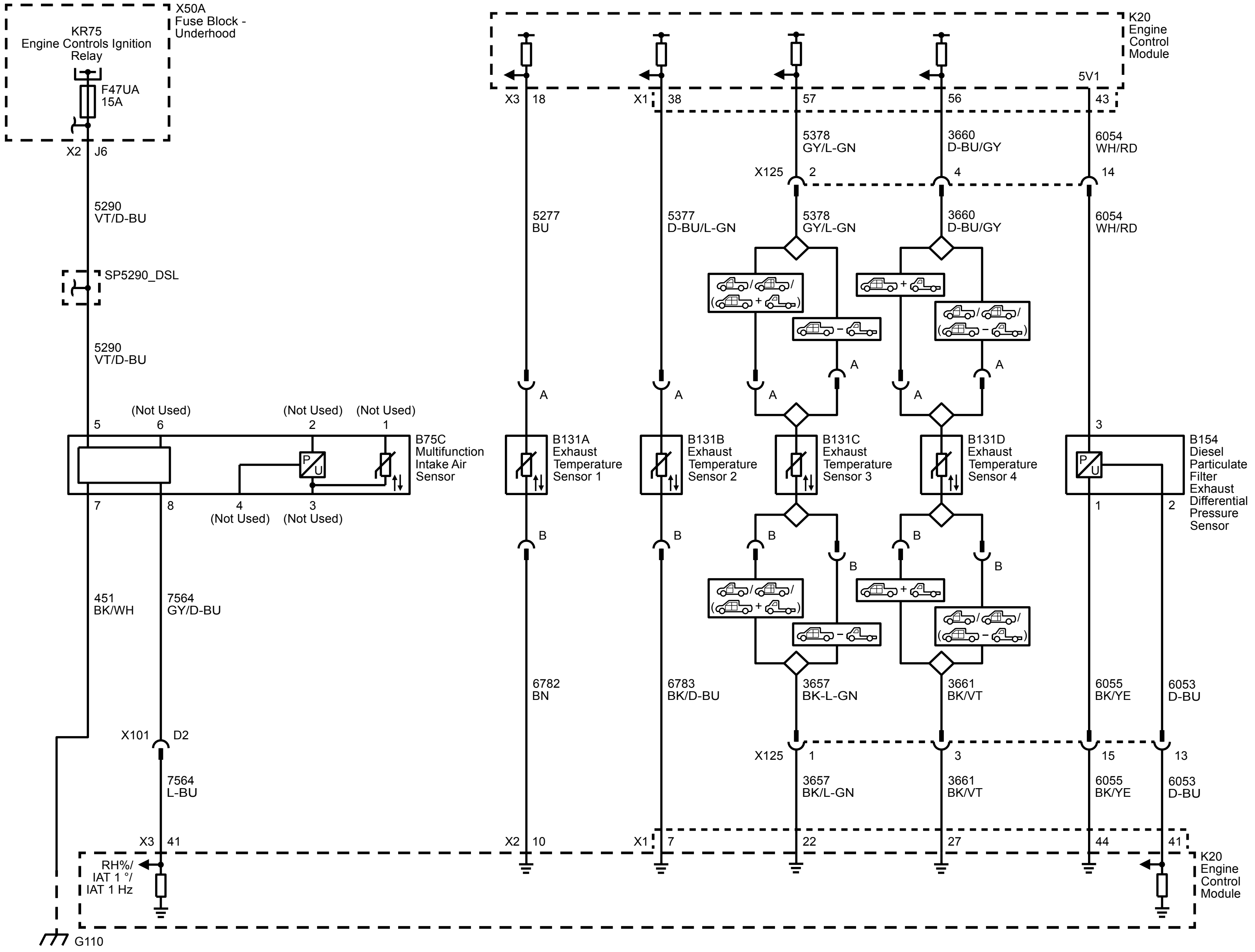

K20
Engine
Control
Module
5V2
5V3
5V4
X1 14
30
X2 66
67
X3 16
15
X1 62
42
X3 32
5359
WH
X101 C7
5359
WH
1274
BN/RD
1164
WH/RD
2365
GY/RD
3106
YE/RD
X345 A8
5928
TN
6270
VT/WH
2704
GY
X115 7
25
18
2701
GY
3106
GY
5359
WH
1274
BN/RD
1164
WH/RD
X119 7
6
3
E
D
2365
OG
5359
WH
1274
BN/RD
1164
WH/RD
C
3
1
6
C
D
5
K22
Cooling Fan
Control
Module
B194
Reductant
Pressure
Sensor
B112
Turbocharger
Vane
Position
Sensor
B26
Crankshaft
Position
Sensor
B74
Manifold
Absolute
Pressure
Sensor
B22
Brake
Pedal
Position
Sensor
B107
Accelerator
Pedal
Position
Sensor
Q38
Throttle
Body
A
2
2
5
A
F
4
6141
BK
C
C
5360
BK/BN
1272
BK/VT
1271
BK/BU
X119 8
4
1
5360
BK/BN
1272
BK/VT
1271
BK/BU
6141
BK/BN
3107
TN
5929
OG/BK
6272
GY/BK
469
OG/BK
2752
TN
X115 8
27
19
5360
BK/BN
1272
BK/VT
1271
BK/D-BU
X101 B8
X345 C8
3107
BK/L-GN
5360
BN/WH
K20
Engine
Control
Module
X1 71
31
X2 25
X3 60
37
38
X1 51
55
X2 7
Low
Reference
Bus
J
K
Low
Reference
Bus

Low Reference Bus (3 of 3)


L O C
D E S C
B193A Charge Air Cooler Inlet Temperature Sensor
B193B Charge Air Cooler Outlet Temperature Sensor
B34 Engine Coolant Temperature Sensor
B48 Fuel Temperature Sensor
B130A Exhaust Gas Recirculation Temperature Sensor 1
B130B Exhaust Gas Recirculation Temperature Sensor 2
B131A Exhaust Temperature Sensor 1
B131B Exhaust Temperature Sensor 2
B131C Exhaust Temperature Sensor 3
B131D Exhaust Temperature Sensor 4
G33 Reductant Pump
B75B Mass Air Flow/Intake Air Temperature Sensor
2
2
B
2
2
2
B
B
B
B
B
B
4
A
E
3682 TN/BK
3680 TN
2761 TN
7073 BN/WH
6274 BN
6275 WH
6782 BN
6783 BK/D-BU
3657 BK-L-GN
3661 BK/VT
3104 TN
6288 BK/D-BU
2931 BK/GY
X101 A3
X101 D4
X113 2
4
X125 1
3
X345 C6
3680 TN
6813 L-BU/BK
2761 TN
7073 BN/WH
3657 BK/L-GN
3661 BK/VT
3104 BK/PU
K20 Engine Control Module
X3 29
13
8
40
46
67
68
X2 10
X1 7
35
16
15
Low Reference Bus K


B+
X50A Fuse Block - Underhood
F50UA 15A
X2 G3
K20 Engine Control Module
MAF
IAT 2
5V3
X1 49 40
X3 24 8 28 12 16
5293 VT/BU
492 L-GN/WH
6289 WH/D-BU
410 YE
2032 L-GN
3683 D-GN
3681 BN
2704 GY
X113 1
X101 D4
X101 A4
410 YE
3681 BN
1
1
D C B
B75B Mass Air Flow/Intake Air Temperature Sensor
E A
A
B34 Engine Coolant Temperature Sensor
B
B193A Charge Air Cooler Inlet Temperature Sensor
B193B Charge Air Cooler Outlet Temperature Sensor
1
B74 Manifold Absolute Pressure Sensor
P U
2 3
2
2
2931 BK/GY
6288 BK/D-BU
2761 TN
3682 TN/BK
3680 YE/D-BU
469 OG/BK
432 L-GN
X113 2
X101 D3
X101 A3
2761 TN
6813 L-BU/BK
3680 TN
X1 15 16
X3 40
X2 26
X3 29 13 37 21
K20 Engine Control Module

Engine Data Sensors - Pressure and Temperature (2 of 2)


X50A
Fuse Block - Underhood
KR75
Engine Controls Ignition Relay
F47UA
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X2
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VT/D-BU
SP5290_DSL
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VT/D-BU
(Not Used)
5
6
(Not Used)
2
(Not Used)
1
B75C
Multifunction Intake Air Sensor
P
U
7
8
4
(Not Used)
3
(Not Used)
451
BK/WH
7564
GY/D-BU
X101
D2
7564
L-BU
X3
41
RH%/
IAT 1 °/
IAT 1 Hz
G110
K20
Engine Control Module
X3
18
X1
38
57
56
5V1
43
5378
GY/L-GN
3660
D-BU/GY
6054
WH/RD
X125
2
4
14
5277
BU
5377
D-BU/L-GN
5378
GY/L-GN
3660
D-BU/GY
6054
WH/RD
A
A
A
A
A
A
3
B131A
Exhaust Temperature Sensor 1
B131B
Exhaust Temperature Sensor 2
B131C
Exhaust Temperature Sensor 3
B131D
Exhaust Temperature Sensor 4
B154
Diesel Particulate Filter Exhaust Differential Pressure Sensor
P
U
1
2
B
B
B
B
B
B
6782
BN
6783
BK/D-BU
3657
BK-L-GN
3661
BK/VT
6055
BK/YE
6053
D-BU
X125
1
3
15
13
3657
BK/L-GN
3661
BK/VT
6055
BK/YE
6053
D-BU
X2
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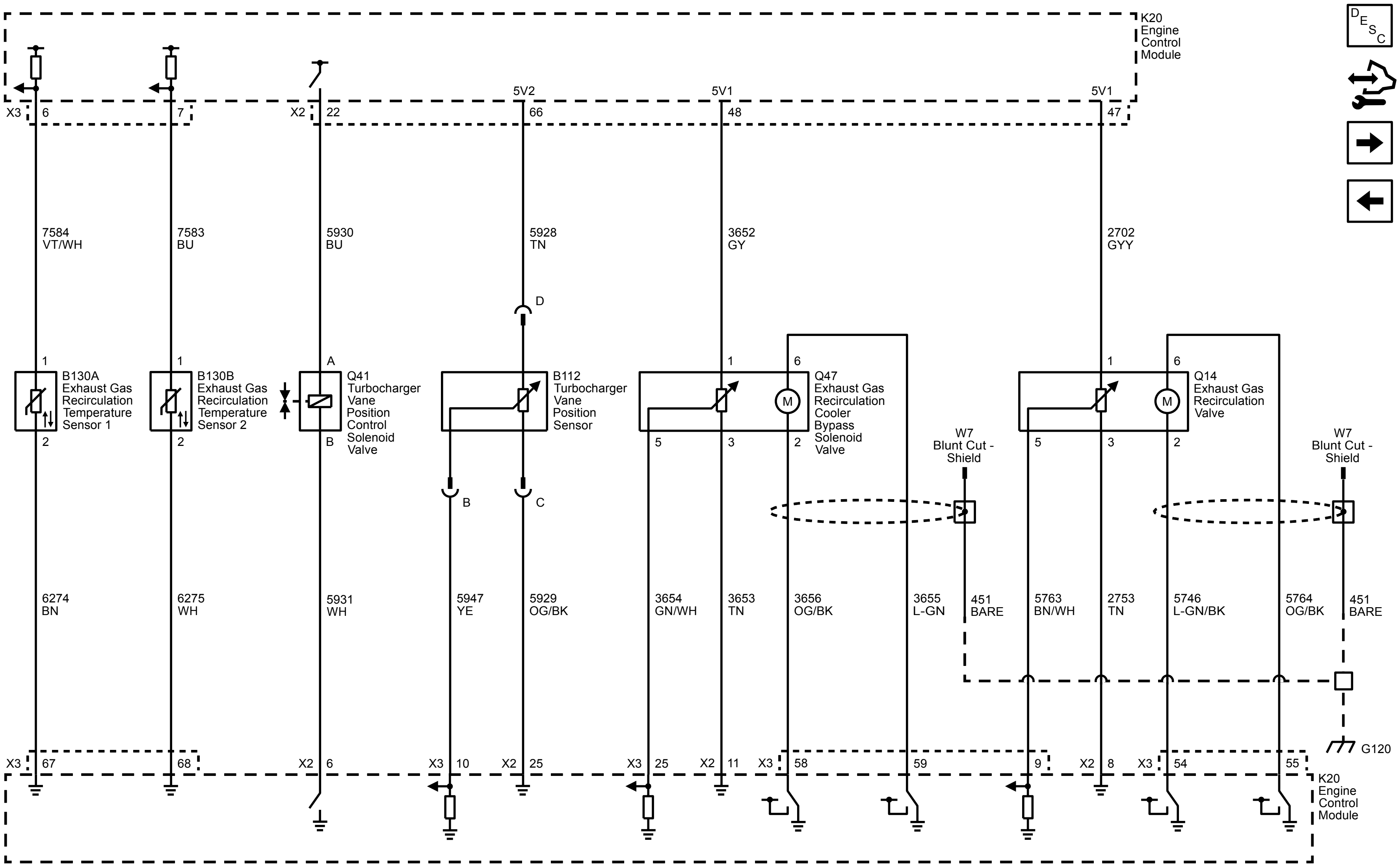
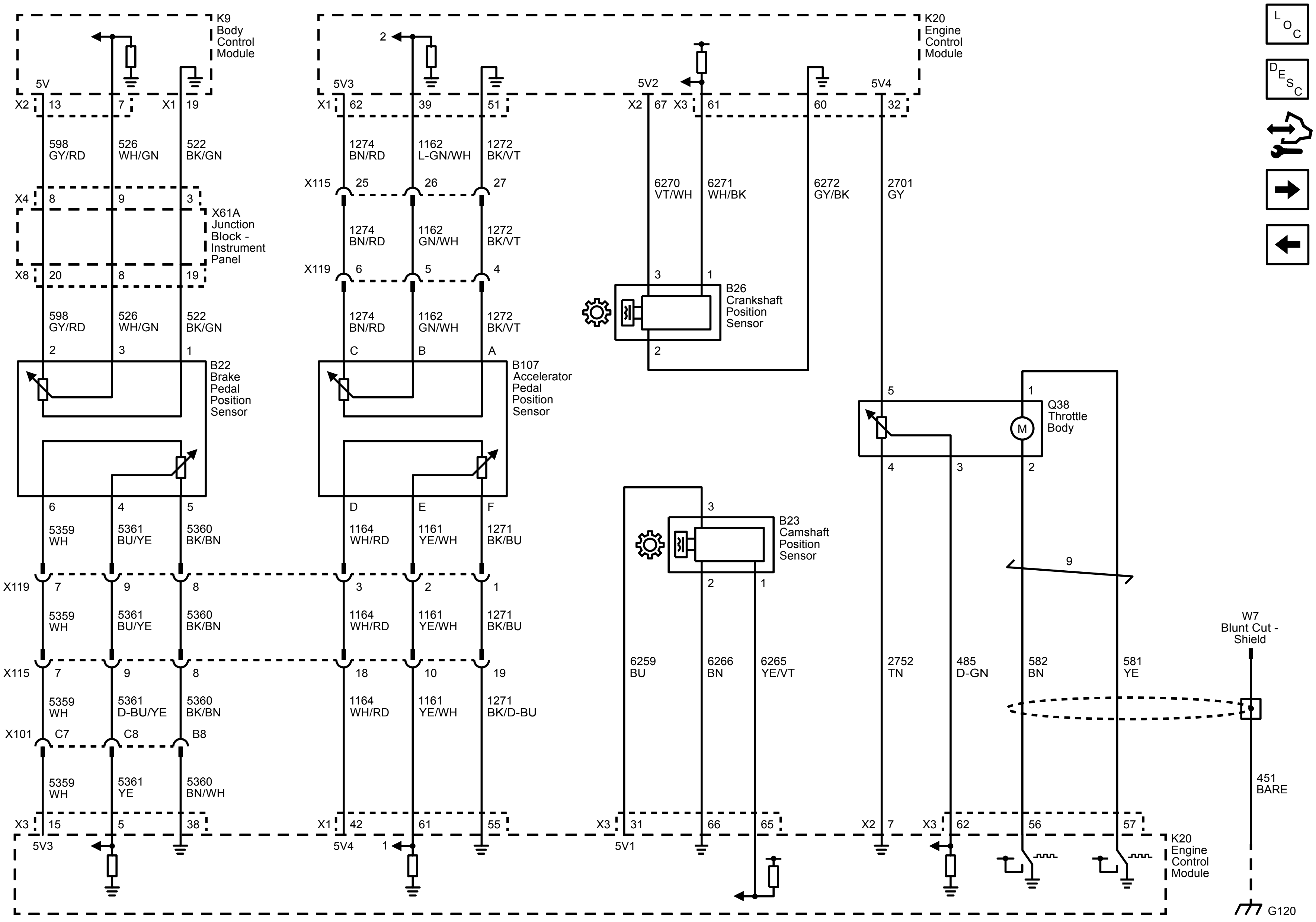
X1
7
22
27
44
41
K20
Engine Control Module

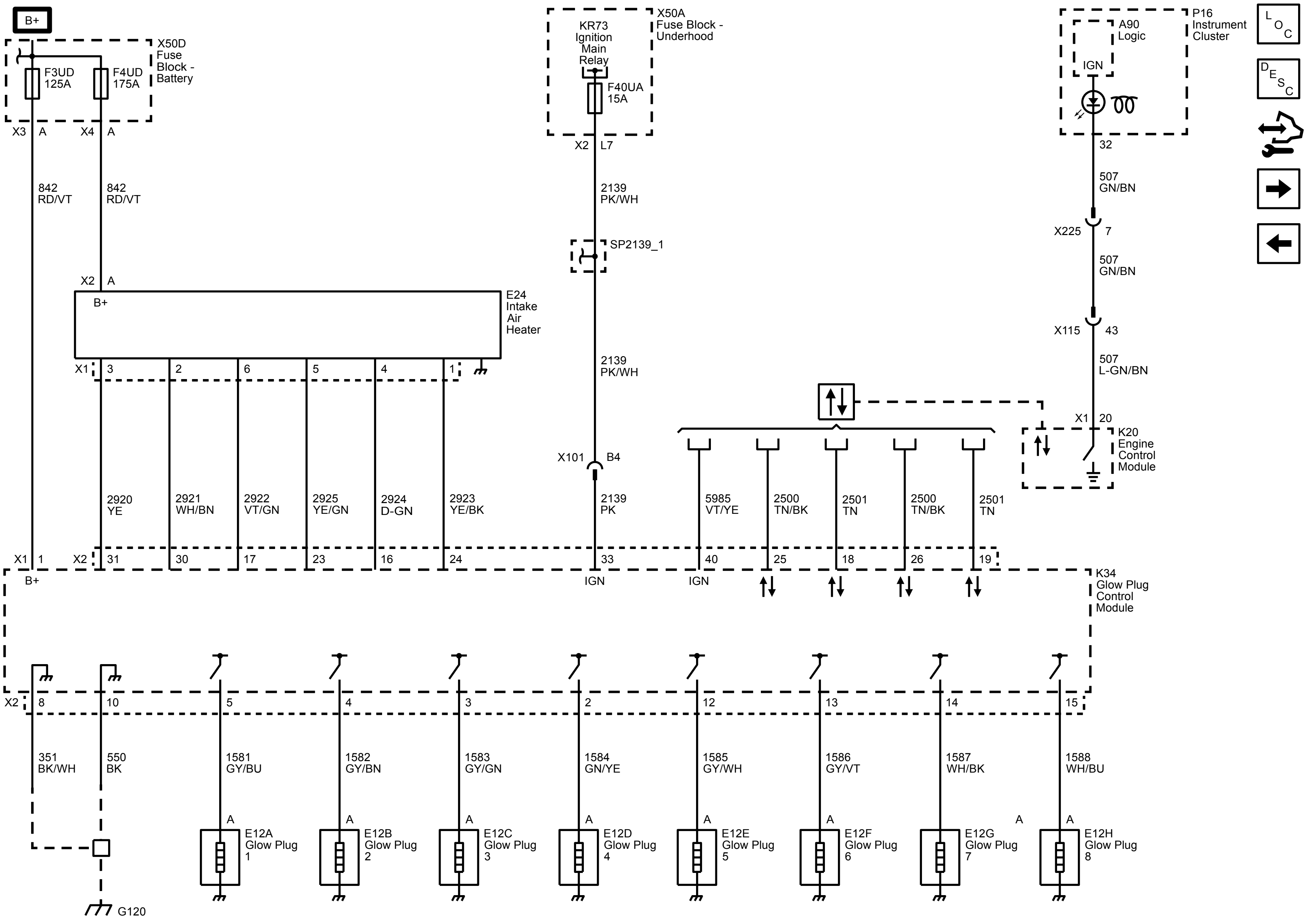
Engine Data Sensors - EGR and Turbocharger Controls


K20
Engine
Control
Module
X3
6
7
X2
22
5V2
66
5V1
48
5V1
47
7584
VT/WH
7583
BU
5930
BU
5928
TN
3652
GY
2702
GYY
D
1
B130A
Exhaust Gas
Recirculation
Temperature
Sensor 1
2
1
B130B
Exhaust Gas
Recirculation
Temperature
Sensor 2
2
A
Q41
Turbocharger
Vane
Position
Control
Solenoid
Valve
B
B112
Turbocharger
Vane
Position
Sensor
B
C
1
6
Q47
Exhaust Gas
Recirculation
Cooler
Bypass
Solenoid
Valve
5
3
2
M
1
6
Q14
Exhaust Gas
Recirculation
Valve
5
3
2
M
W7
Blunt Cut -
Shield
W7
Blunt Cut -
Shield
6274
BN
6275
WH
5931
WH
5947
YE
5929
OG/BK
3654
GN/WH
3653
TN
3656
OG/BK
3655
L-GN
451
BARE
5763
BN/WH
2753
TN
5746
L-GN/BK
5764
OG/BK
451
BARE
G120
X3
67
68
X2
6
X3
10
X2
25
X3
25
X2
11
X3
58
59
9
X2
8
X3
54
55
K20
Engine
Control
Module

Engine Data Sensors - Injector Timing Controls and Override

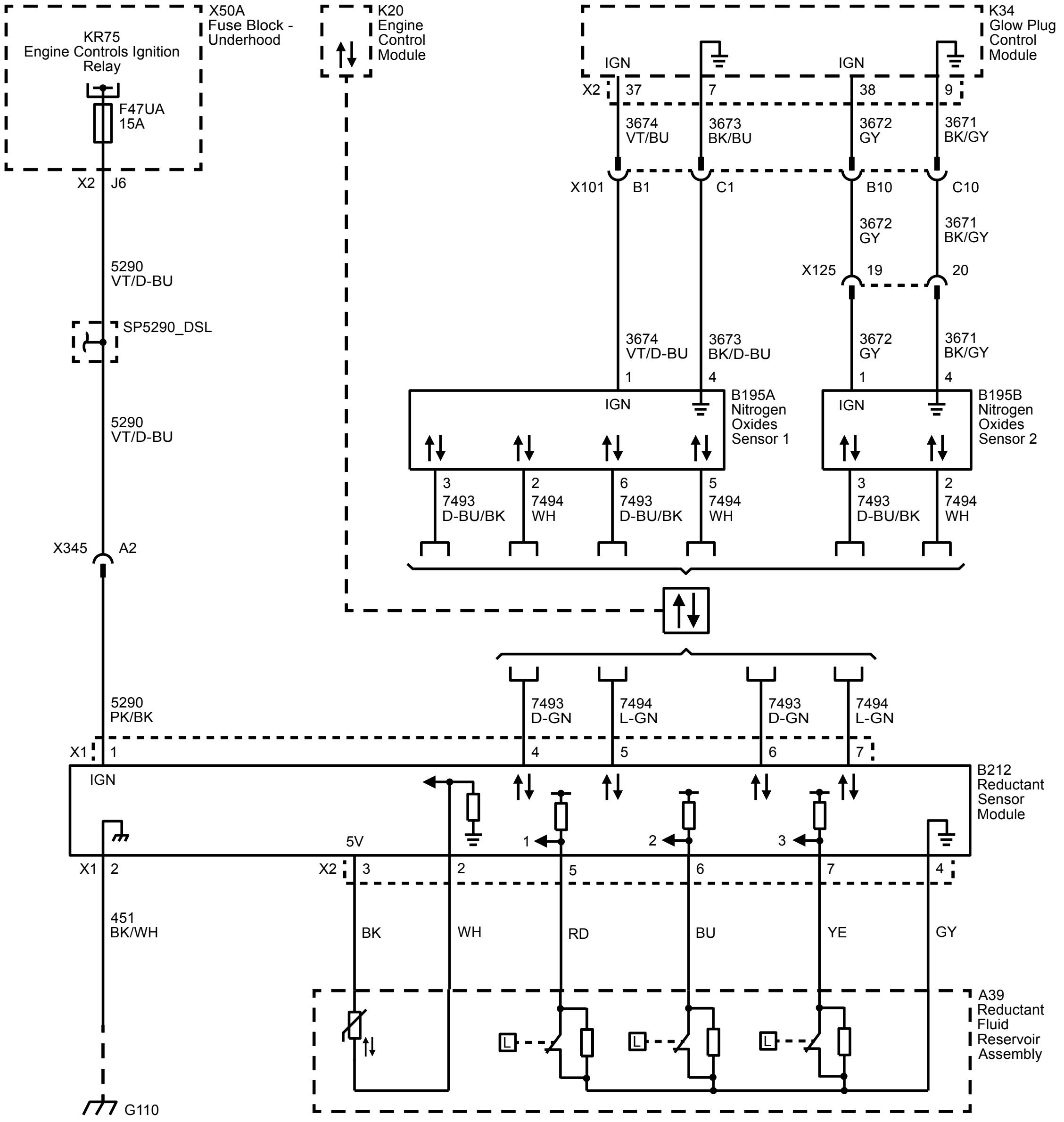

K9
Body
Control
Module
5V
X2 13
7
X1 19
598 GY/RD
526 WH/GN
522 BK/GN
X4 8 9 3
X61A
Junction
Block -
Instrument
Panel
X8 20 8 19
598 GY/RD
526 WH/GN
522 BK/GN
2 3 1
B22
Brake
Pedal
Position
Sensor
6 4 5
5359 WH
5361 BU/YE
5360 BK/BN
X119 7 9 8
5359 WH
5361 BU/YE
5360 BK/BN
X115 7 9 8
5359 WH
5361 D-BU/YE
5360 BK/BN
X101 C7 C8 B8
5359 WH
5361 YE
5360 BN/WH
X3 15 5 38
5V3
K20
Engine
Control
Module
2
5V3
X1 62 39 51
1274 BN/RD
1162 L-GN/WH
1272 BK/VT
X115 25 26 27
1274 BN/RD
1162 GN/WH
1272 BK/VT
X119 6 5 4
1274 BN/RD
1162 GN/WH
1272 BK/VT
C B A
B107
Accelerator
Pedal
Position
Sensor
D E F
1164 WH/RD
1161 YE/WH
1271 BK/BU
3 2 1
1164 WH/RD
1161 YE/WH
1271 BK/BU
18 10 19
1164 WH/RD
1161 YE/WH
1271 BK/D-BU
X1 42 61 55
5V4
1
5V2
X2 67 X3 61
60
5V4
32
6270 VT/WH
6271 WH/BK
6272 GY/BK
2701 GY
3 1
B26
Crankshaft
Position
Sensor
2
5 1
Q38
Throttle
Body
M
4 3 2
3
B23
Camshaft
Position
Sensor
2 1
9
6259 BU
6266 BN
6265 YE/VT
2752 TN
485 D-GN
582 BN
581 YE
W7
Blunt Cut -
Shield
451
BARE
X3 31 66 65
5V1
X2 7
X3 62 56 57
K20
Engine
Control
Module
G120

Engine Data Sensors - Glow Plug Controls and Intake Air Heater

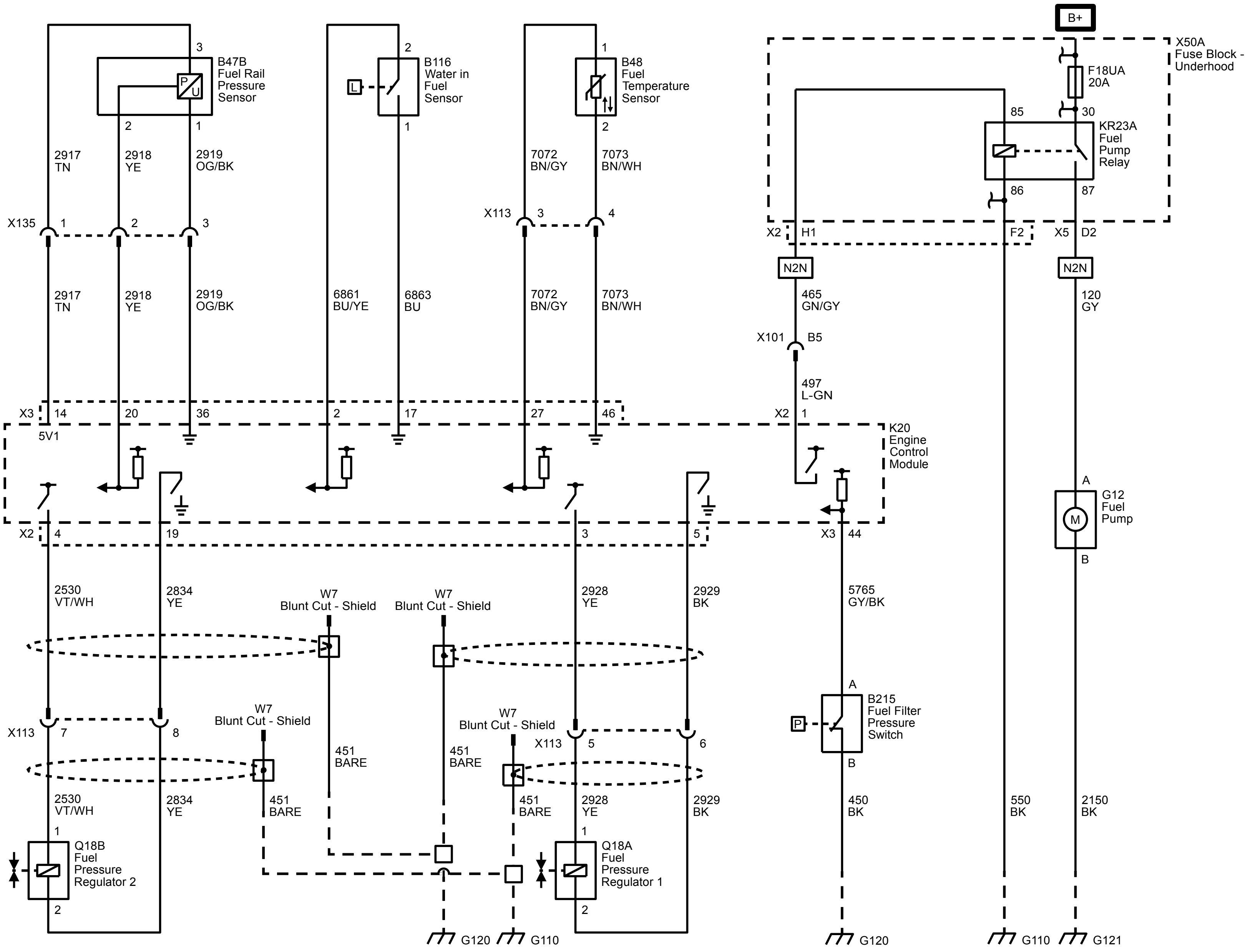

B+
X50D Fuse Block - Battery
F3UD 125A
F4UD 175A
X3 A
X4 A
842 RD/VT
842 RD/VT
X2 A
B+
E24 Intake Air Heater
X1 3 2 6 5 4 1
2920 YE
2921 WH/BN
2922 VT/GN
2925 YE/GN
2924 D-GN
2923 YE/BK
X50A Fuse Block - Underhood
KR73 Ignition Main Relay
F40UA 15A
X2 L7
2139 PK/WH
SP2139_1
2139 PK/WH
X101 B4
2139 PK
P16 Instrument Cluster
A90 Logic
IGN
32
507 GN/BN
X225 7
507 GN/BN
X115 43
507 L-GN/BN
X1 20
K20 Engine Control Module
5985 VT/YE
2500 TN/BK
2501 TN
2500 TN/BK
2501 TN
X1 1
X2 31 30 17 23 16 24 33 40 25 18 26 19
B+
IGN
IGN
K34 Glow Plug Control Module
X2 8 10 5 4 3 2 12 13 14 15
351 BK/WH
550 BK
1581 GY/BU
1582 GY/BN
1583 GY/GN
1584 GN/YE
1585 GY/WH
1586 GY/VT
1587 WH/BK
1588 WH/BU
A
E12A Glow Plug 1
E12B Glow Plug 2
E12C Glow Plug 3
E12D Glow Plug 4
E12E Glow Plug 5
E12F Glow Plug 6
E12G Glow Plug 7
E12H Glow Plug 8
G120
LOC
DESC

Engine Data Sensors - Nitrogen Oxides and Reductant Sensor Module

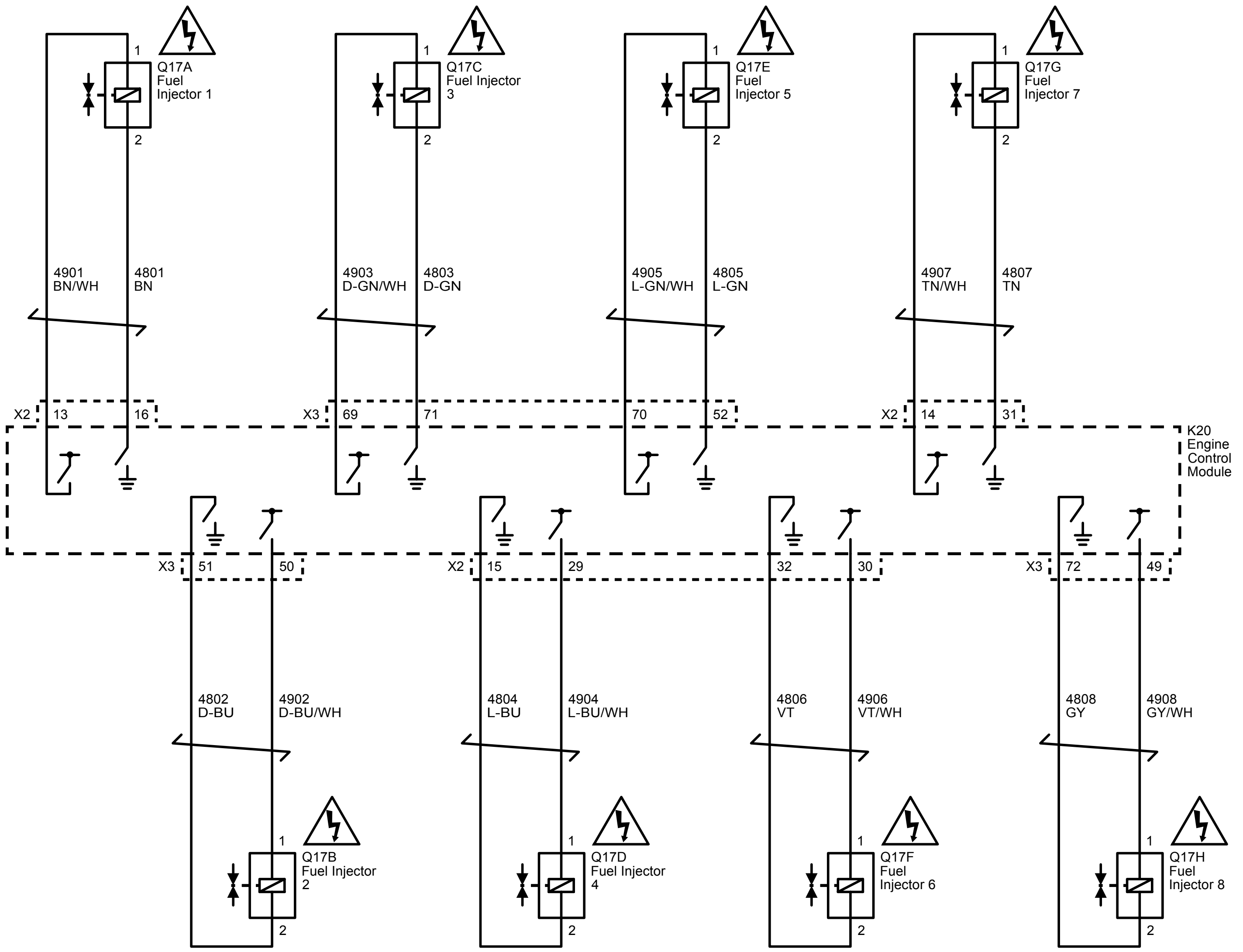
LOC
DESC

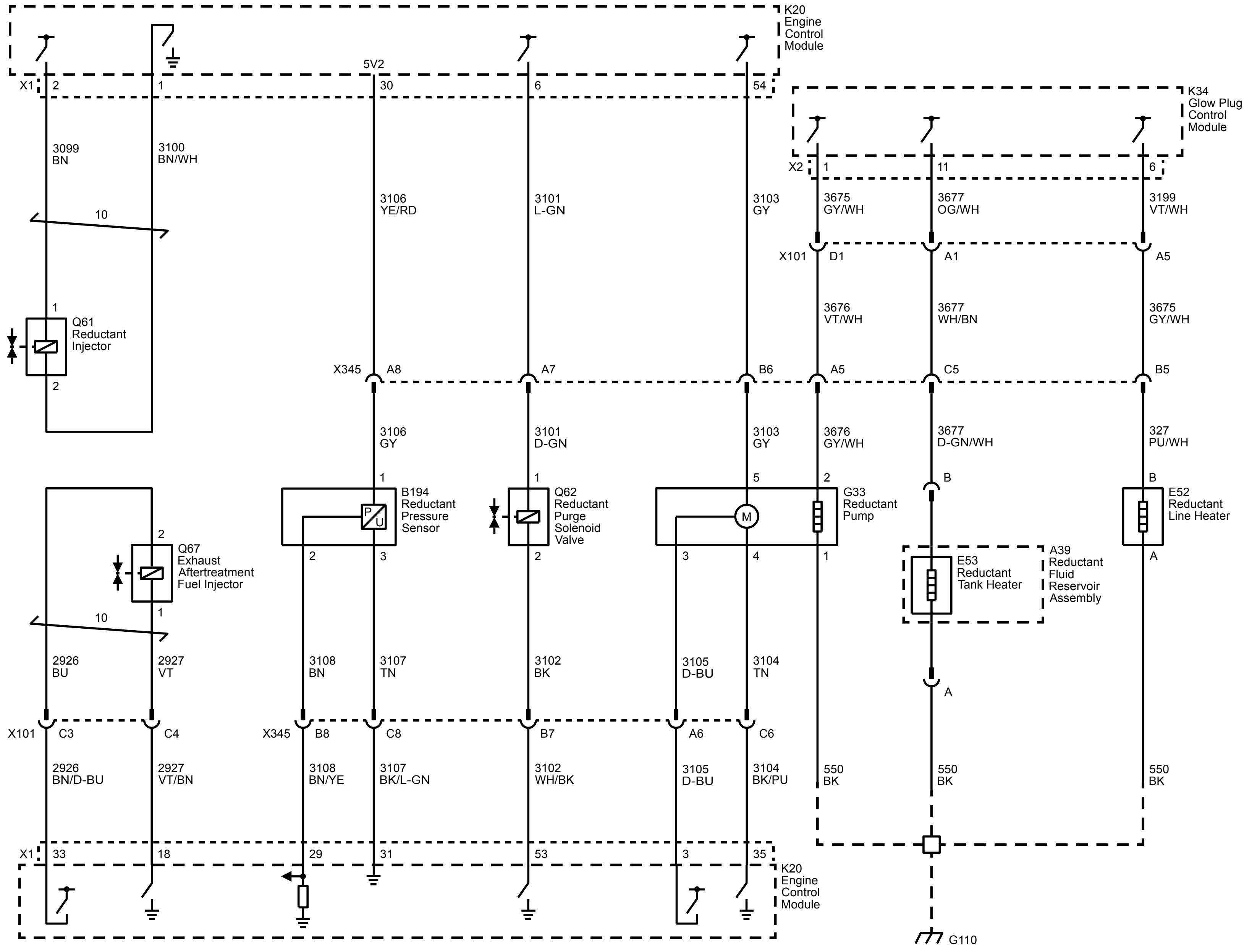

X50A
Fuse Block - Underhood
KR75
Engine Controls Ignition Relay
F47UA
15A
X2
J6
5290
VT/D-BU
SP5290_DSL
5290
VT/D-BU
X345
A2
5290
PK/BK
K20
Engine Control Module
K34
Glow Plug Control Module
IGN
IGN
X2
37
7
38
9
3674
VT/BU
3673
BK/BU
3672
GY
3671
BK/GY
X101
B1
C1
B10
C10
3672
GY
3671
BK/GY
X125
19
20
3674
VT/D-BU
3673
BK/D-BU
3672
GY
3671
BK/GY
1
4
1
4
IGN
B195A
Nitrogen Oxides Sensor 1
IGN
B195B
Nitrogen Oxides Sensor 2
3
7493
D-BU/BK
2
7494
WH
6
7493
D-BU/BK
5
7494
WH
3
7493
D-BU/BK
2
7494
WH
7493
D-GN
7494
L-GN
7493
D-GN
7494
L-GN
X1
1
4
5
6
7
IGN
B212
Reductant Sensor Module
5V
1
2
3
X1
2
X2
3
2
5
6
7
4
451
BK/WH
BK
WH
RD
BU
YE
GY
A39
Reductant Fluid Reservoir Assembly
L
L
L
G110

Fuel Controls - Fuel Pump, Water in Fuel, Temperature, and Pressure Controls

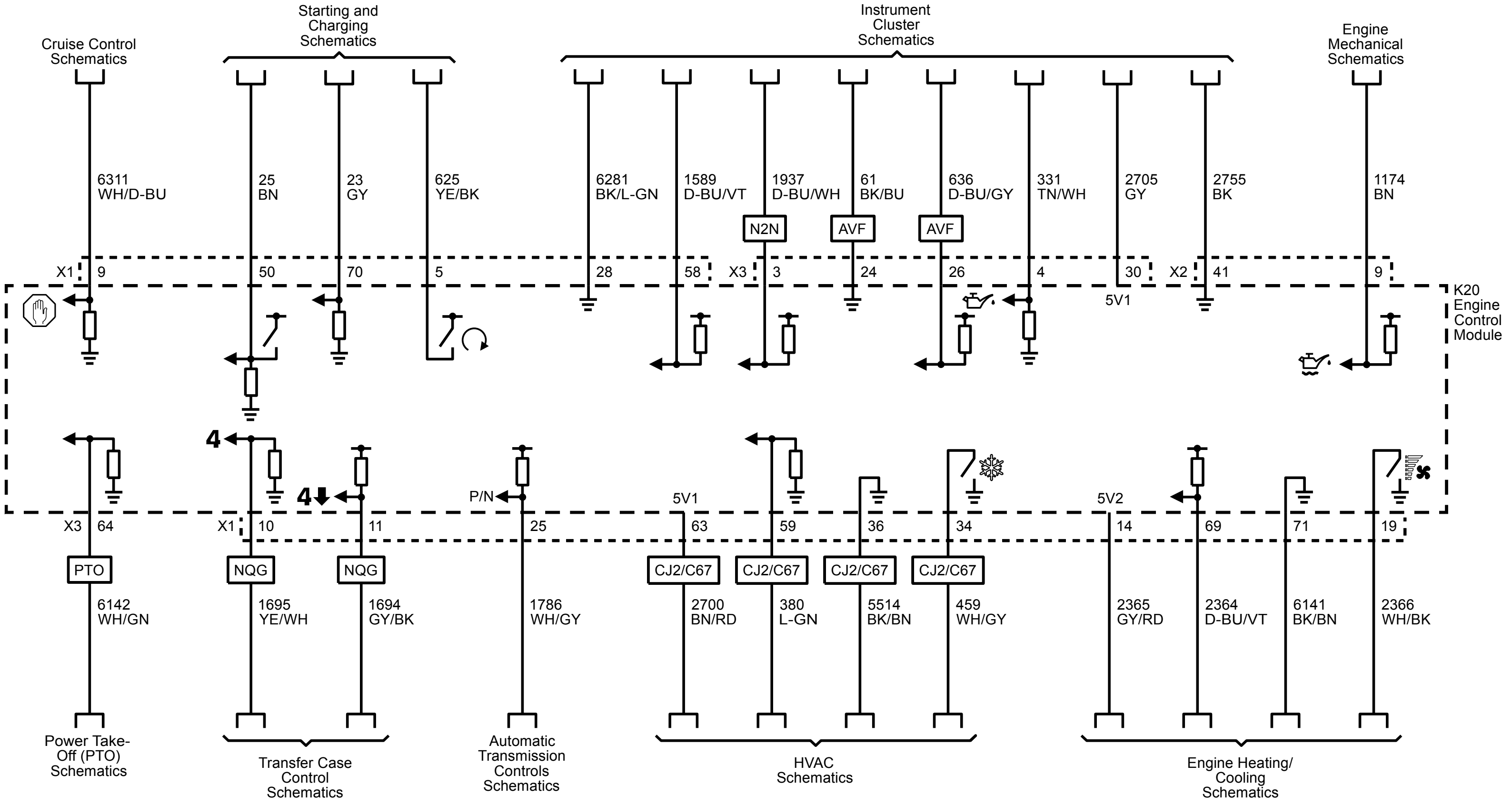

B+
X50A Fuse Block - Underhood
F18UA 20A
85
30
KR23A Fuel Pump Relay
86
87
X2 H1
F2
X5 D2
N2N
N2N
465 GN/GY
X101 B5
497 L-GN
120 GY
B47B Fuel Rail Pressure Sensor
P
U
3
2
1
2917 TN
2918 YE
2919 OG/BK
X135 1 2 3
2917 TN
2918 YE
2919 OG/BK
B116 Water in Fuel Sensor
L
2
1
6861 BU/YE
6863 BU
B48 Fuel Temperature Sensor
1
2
7072 BN/GY
7073 BN/WH
X113 3 4
7072 BN/GY
7073 BN/WH
X3 14 20 36 2 17 27 46
5V1
X2 1
K20 Engine Control Module
X2 4 19 3 5
X3 44
G12 Fuel Pump
A
M
B
2530 VT/WH
2834 YE
W7 Blunt Cut - Shield
W7 Blunt Cut - Shield
2928 YE
2929 BK
5765 GY/BK
X113 7 8
W7 Blunt Cut - Shield
W7 Blunt Cut - Shield
451 BARE
451 BARE
X113 5 6
B215 Fuel Filter Pressure Switch
A
P
B
2530 VT/WH
2834 YE
451 BARE
451 BARE
2928 YE
2929 BK
450 BK
550 BK
2150 BK
Q18B Fuel Pressure Regulator 2
1
2
Q18A Fuel Pressure Regulator 1
1
2
G120
G110
G120
G110
G121

2015 CHEVROLET SILVERADO/GMC SIERRA
ELECTRICAL SECTION


1
Q17A
Fuel
Injector 1
2
1
Q17C
Fuel Injector
3
2
1
Q17E
Fuel
Injector 5
2
1
Q17G
Fuel
Injector 7
2
4901
BN/WH
4801
BN
4903
D-GN/WH
4803
D-GN
4905
L-GN/WH
4805
L-GN
4907
TN/WH
4807
TN
X2
13
16
X3
69
71
70
52
X2
14
31
K20
Engine
Control
Module
X3
51
50
X2
15
29
32
30
X3
72
49
4802
D-BU
4902
D-BU/WH
4804
L-BU
4904
L-BU/WH
4806
VT
4906
VT/WH
4808
GY
4908
GY/WH
1
Q17B
Fuel Injector
2
2
1
Q17D
Fuel Injector
4
2
1
Q17F
Fuel
Injector 6
2
1
Q17H
Fuel
Injector 8
2


K20 Engine Control Module
X1
2
1
5V2
30
6
54
3099 BN
3100 BN/WH
10
3106 YE/RD
3101 L-GN
3103 GY
K34 Glow Plug Control Module
X2
1
11
6
3675 GY/WH
3677 OG/WH
3199 VT/WH
X101
D1
A1
A5
3676 VT/WH
3677 WH/BN
3675 GY/WH
1
Q61 Reductant Injector
2
X345
A8
A7
B6
A5
C5
B5
3106 GY
3101 D-GN
3103 GY
3676 GY/WH
3677 D-GN/WH
327 PU/WH
1
B194 Reductant Pressure Sensor
P
U
2
3
1
Q62 Reductant Purge Solenoid Valve
2
5
2
G33 Reductant Pump
M
3
4
1
B
B
E52 Reductant Line Heater
A
E53 Reductant Tank Heater
A39 Reductant Fluid Reservoir Assembly
A
2
Q67 Exhaust Aftertreatment Fuel Injector
1
10
2926 BU
2927 VT
3108 BN
3107 TN
3102 BK
3105 D-BU
3104 TN
X101
C3
C4
X345
B8
C8
B7
A6
C6
2926 BN/D-BU
2927 VT/BN
3108 BN/YE
3107 BK/L-GN
3102 WH/BK
3105 D-BU
3104 BK/PU
550 BK
550 BK
550 BK
X1
33
18
29
31
53
3
35
K20 Engine Control Module
G110

Controlled/Monitored Subsystem References


Cruise Control Schematics
Starting and Charging Schematics
Instrument Cluster Schematics
Engine Mechanical Schematics
6311 WH/D-BU
25 BN
23 GY
625 YE/BK
6281 BK/L-GN
1589 D-BU/VT
1937 D-BU/WH
61 BK/BU
636 D-BU/GY
331 TN/WH
2705 GY
2755 BK
1174 BN
N2N
AVF
AVF
X1
9
50
70
5
28
58
X3
3
24
26
4
30
X2
41
9
5V1
K20 Engine Control Module
4
4
P/N
5V1
5V2
X3
64
X1
10
11
25
63
59
36
34
14
69
71
19
PTO
NQG
NQG
CJ2/C67
CJ2/C67
CJ2/C67
CJ2/C67
6142 WH/GN
1695 YE/WH
1694 GY/BK
1786 WH/GY
2700 BN/RD
380 L-GN
5514 BK/BN
459 WH/GY
2365 GY/RD
2364 D-BU/VT
6141 BK/BN
2366 WH/BK
Power Take-Off (PTO) Schematics
Transfer Case Control Schematics
Automatic Transmission Controls Schematics
HVAC Schematics
Engine Heating/ Cooling Schematics

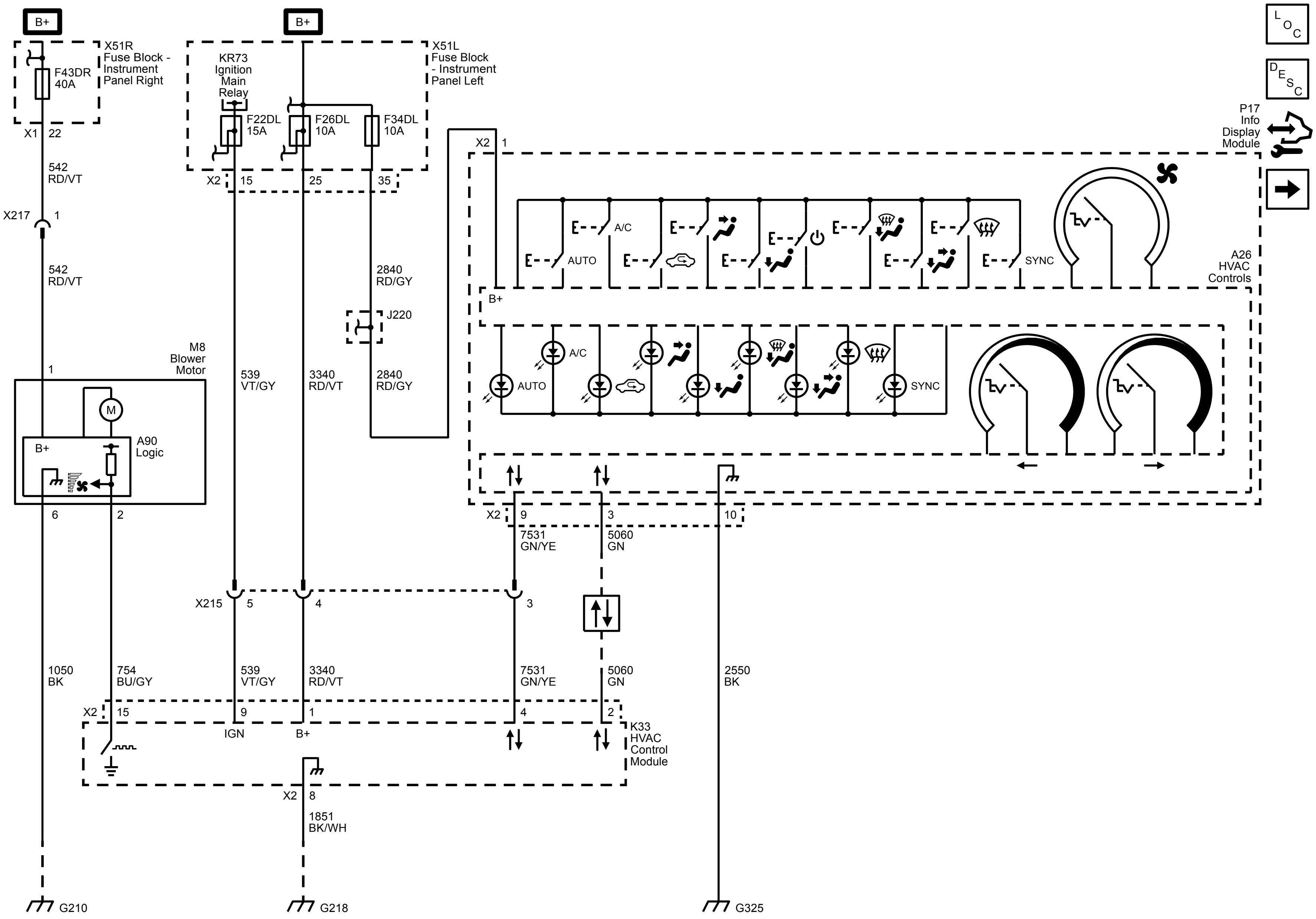
HVAC

HVAC - Automatic

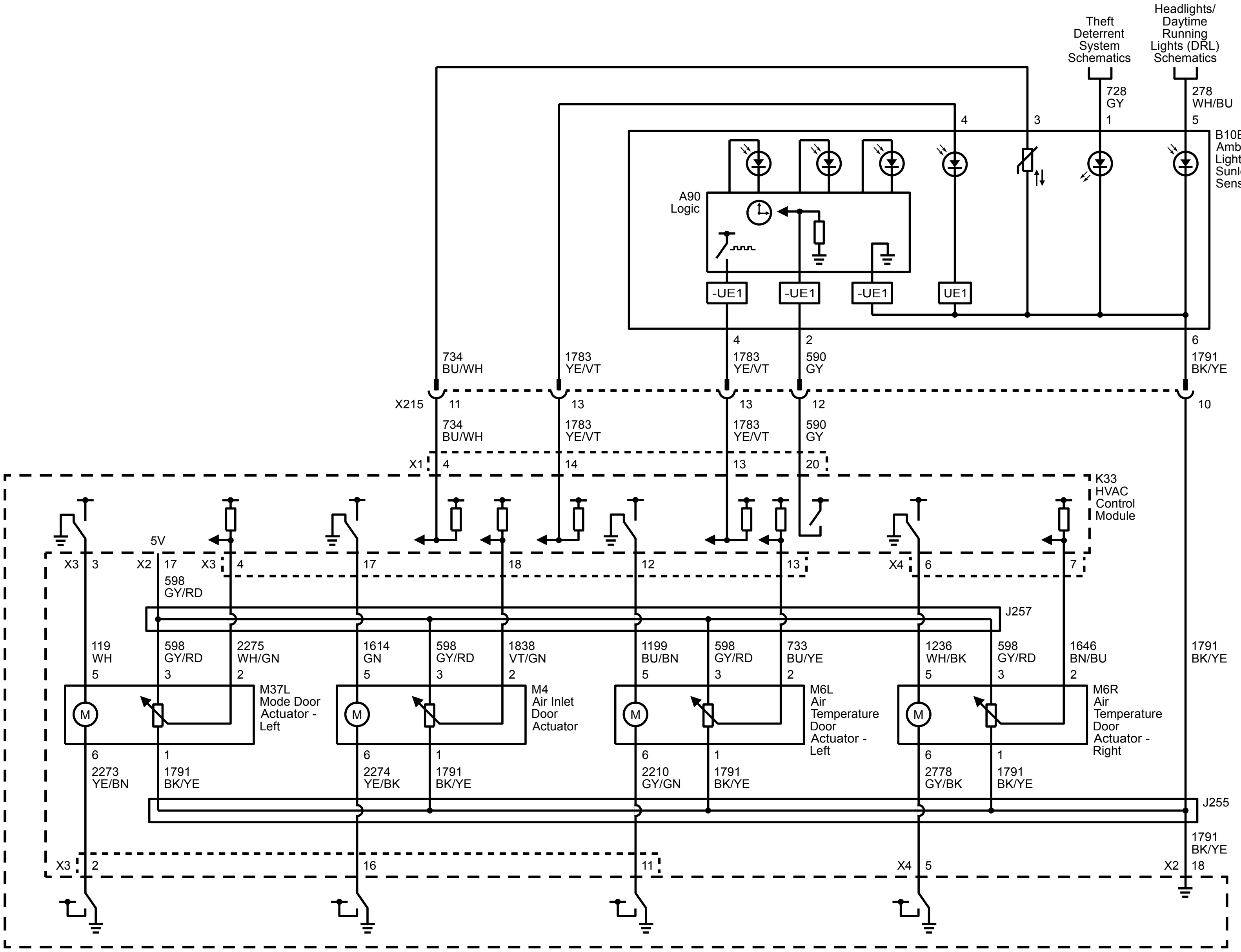
Schematic and Routing Diagrams

HVAC Schematics

Power, Ground, Serial Data and Controls

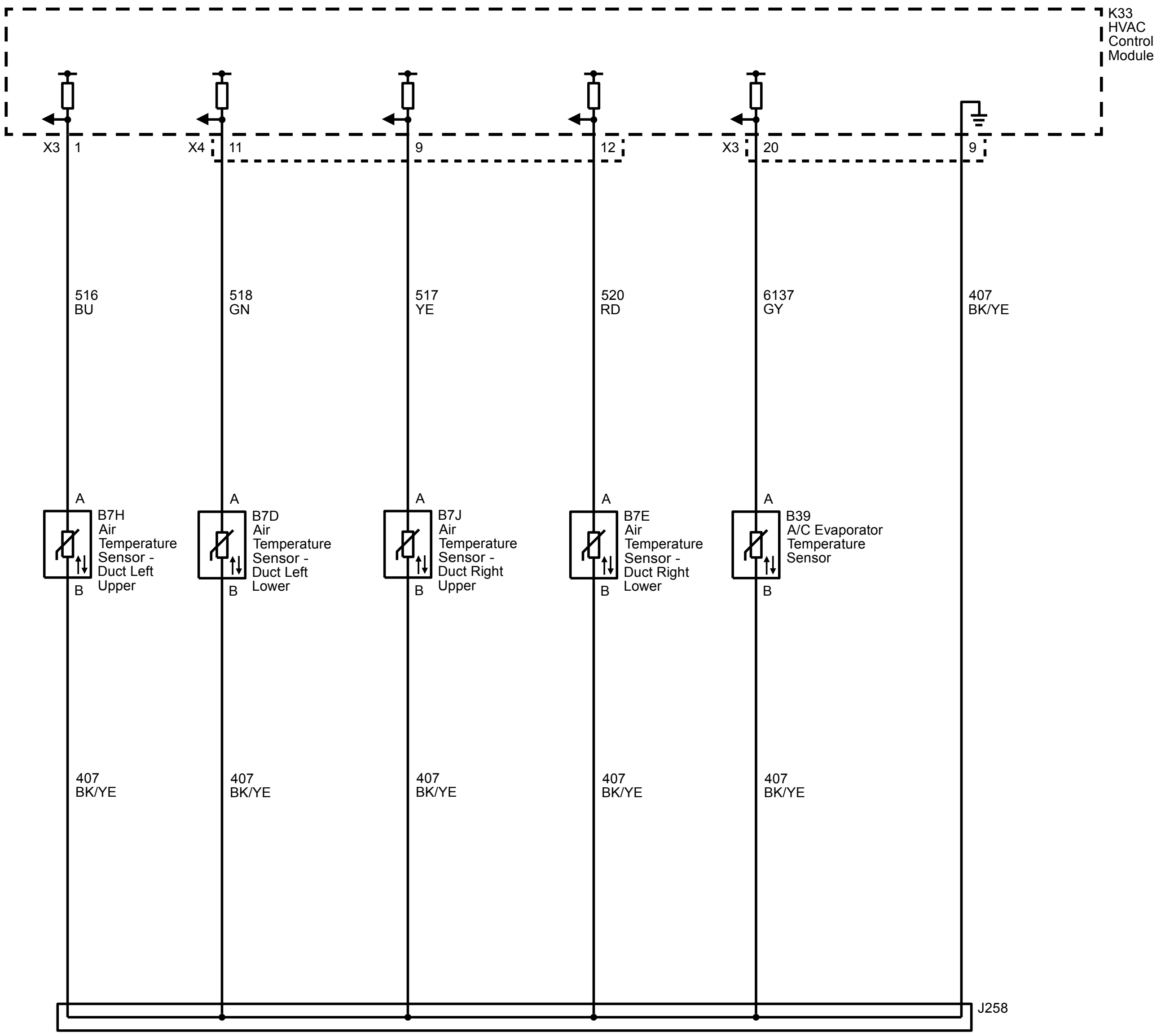

B+
X51R
Fuse Block - Instrument Panel Right
F43DR 40A
X1 22
542 RD/VT
X217 1
542 RD/VT
B+
KR73 Ignition Main Relay
F22DL 15A
F26DL 10A
F34DL 10A
X51L Fuse Block - Instrument Panel Left
X2 15 25 35
2840 RD/GY
J220
2840 RD/GY
539 VT/GY
3340 RD/VT
M8 Blower Motor
1
M
B+
A90 Logic
6 2
X2 1
P17 Info Display Module
L O C
D E S C
A/C
AUTO
SYNC
A26 HVAC Controls
B+
A/C
AUTO
SYNC
X2 9 3 10
7531 GN/YE
5060 GN
X215 5 4 3
1050 BK
754 BU/GY
539 VT/GY
3340 RD/VT
7531 GN/YE
5060 GN
2550 BK
X2 15 9 1 4 2
IGN
B+
K33 HVAC Control Module
X2 8
1851 BK/WH
G210
G218
G325

Ambient Light/Sunload Sensor and Mode Doors

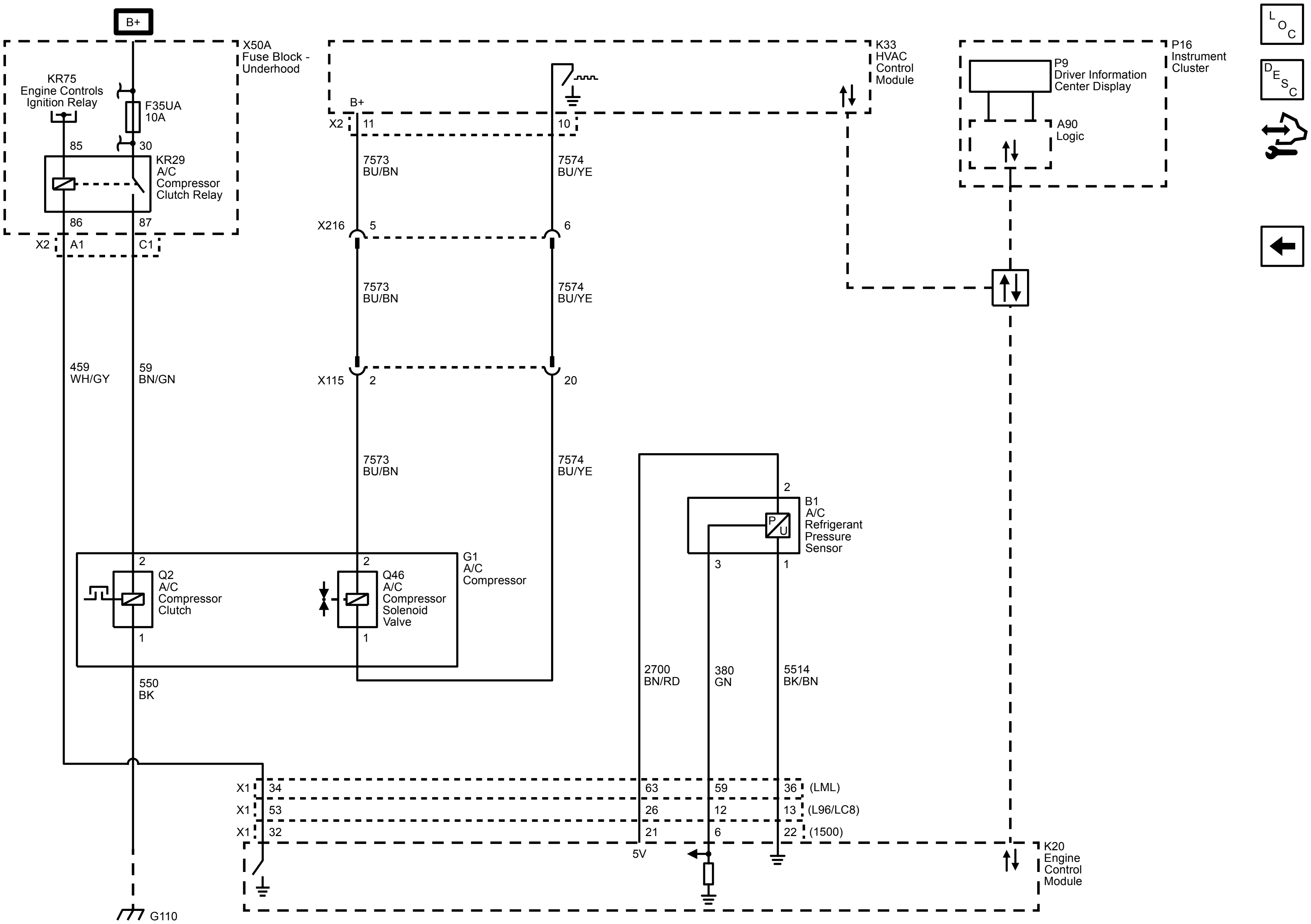

Theft Deterrent System Schematics
Headlights/ Daytime Running Lights (DRL) Schematics
728 GY
278 WH/BU
4
3
1
5
B10B Ambient Light/ Sunload Sensor
A90 Logic
-UE1
-UE1
-UE1
UE1
4
2
6
734 BU/WH
1783 YE/VT
1783 YE/VT
590 GY
1791 BK/YE
X215
11
13
13
12
10
734 BU/WH
1783 YE/VT
1783 YE/VT
590 GY
X1
4
14
13
20
K33 HVAC Control Module
5V
X3
3
X2
17
X3
4
17
18
12
13
X4
6
7
598 GY/RD
J257
119 WH
598 GY/RD
2275 WH/GN
1614 GN
598 GY/RD
1838 VT/GN
1199 BU/BN
598 GY/RD
733 BU/YE
1236 WH/BK
598 GY/RD
1646 BN/BU
1791 BK/YE
5
3
2
5
3
2
5
3
2
5
3
2
M
M37L Mode Door Actuator - Left
M
M4 Air Inlet Door Actuator
M
M6L Air Temperature Door Actuator - Left
M
M6R Air Temperature Door Actuator - Right
6
1
6
1
6
1
6
1
2273 YE/BN
1791 BK/YE
2274 YE/BK
1791 BK/YE
2210 GY/GN
1791 BK/YE
2778 GY/BK
1791 BK/YE
J255
1791 BK/YE
X3
2
16
11
X4
5
X2
18

Temperature Sensors

LOC
DESC


K33
HVAC
Control
Module
X3
1
X4
11
9
12
X3
20
9
516
BU
518
GN
517
YE
520
RD
6137
GY
407
BK/YE
A
B7H
Air
Temperature
Sensor -
Duct Left
Upper
B
A
B7D
Air
Temperature
Sensor -
Duct Left
Lower
B
A
B7J
Air
Temperature
Sensor -
Duct Right
Upper
B
A
B7E
Air
Temperature
Sensor -
Duct Right
Lower
B
A
B39
A/C Evaporator
Temperature
Sensor
B
407
BK/YE
407
BK/YE
407
BK/YE
407
BK/YE
407
BK/YE
J258

A/C Compressor Controls

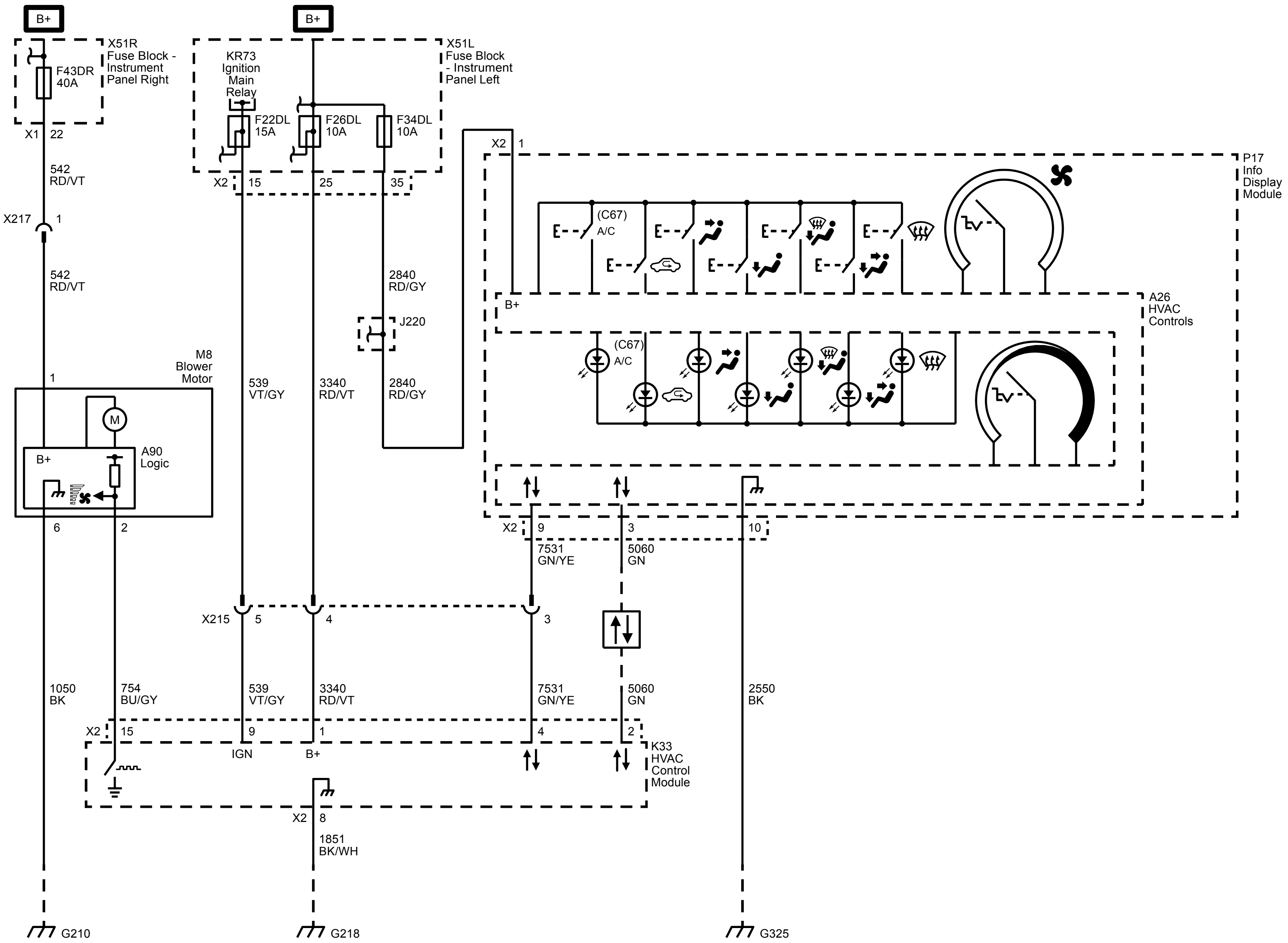

B+
X50A
Fuse Block - Underhood
KR75
Engine Controls
Ignition Relay
F35UA
10A
85
30
KR29
A/C
Compressor
Clutch Relay
86
87
X2
A1
C1
459
WH/GY
59
BN/GN
K33
HVAC
Control
Module
B+
X2
11
10
7573
BU/BN
7574
BU/YE
X216
5
6
X115
2
20
P16
Instrument
Cluster
P9
Driver Information
Center Display
A90
Logic
G1
A/C
Compressor
Q2
A/C
Compressor
Clutch
Q46
A/C
Compressor
Solenoid
Valve
2
1
550
BK
B1
A/C
Refrigerant
Pressure
Sensor
P
U
3
2700
BN/RD
380
GN
5514
BK/BN
X1
34
63
59
36
(LML)
X1
53
26
12
13
(L96/LC8)
X1
32
21
6
22
(1500)
5V
K20
Engine
Control
Module
G110
LOC
DESC

HVAC - Manual

Schematic and Routing Diagrams

HVAC Schematics

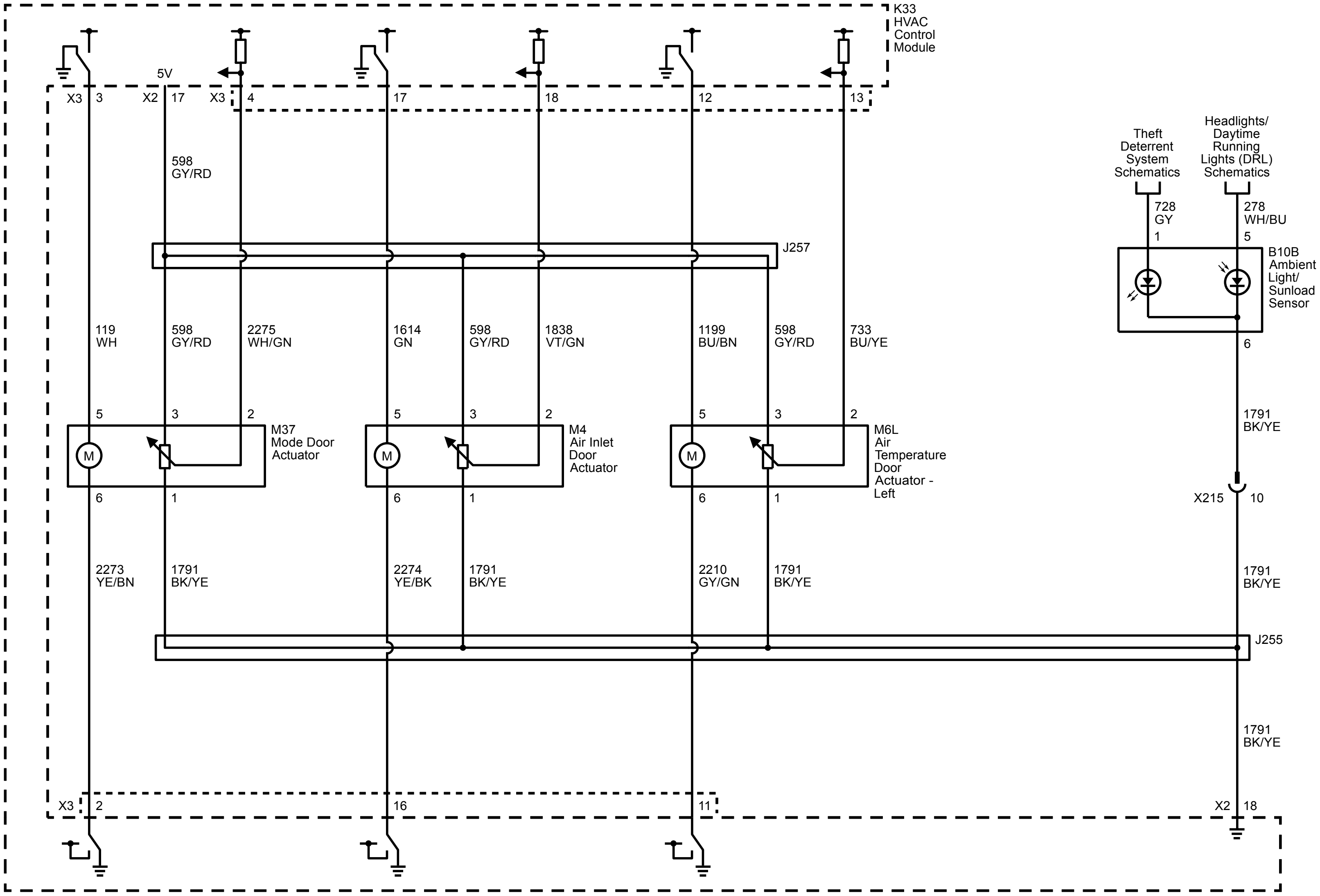
Power, Ground, Serial Data and Controls

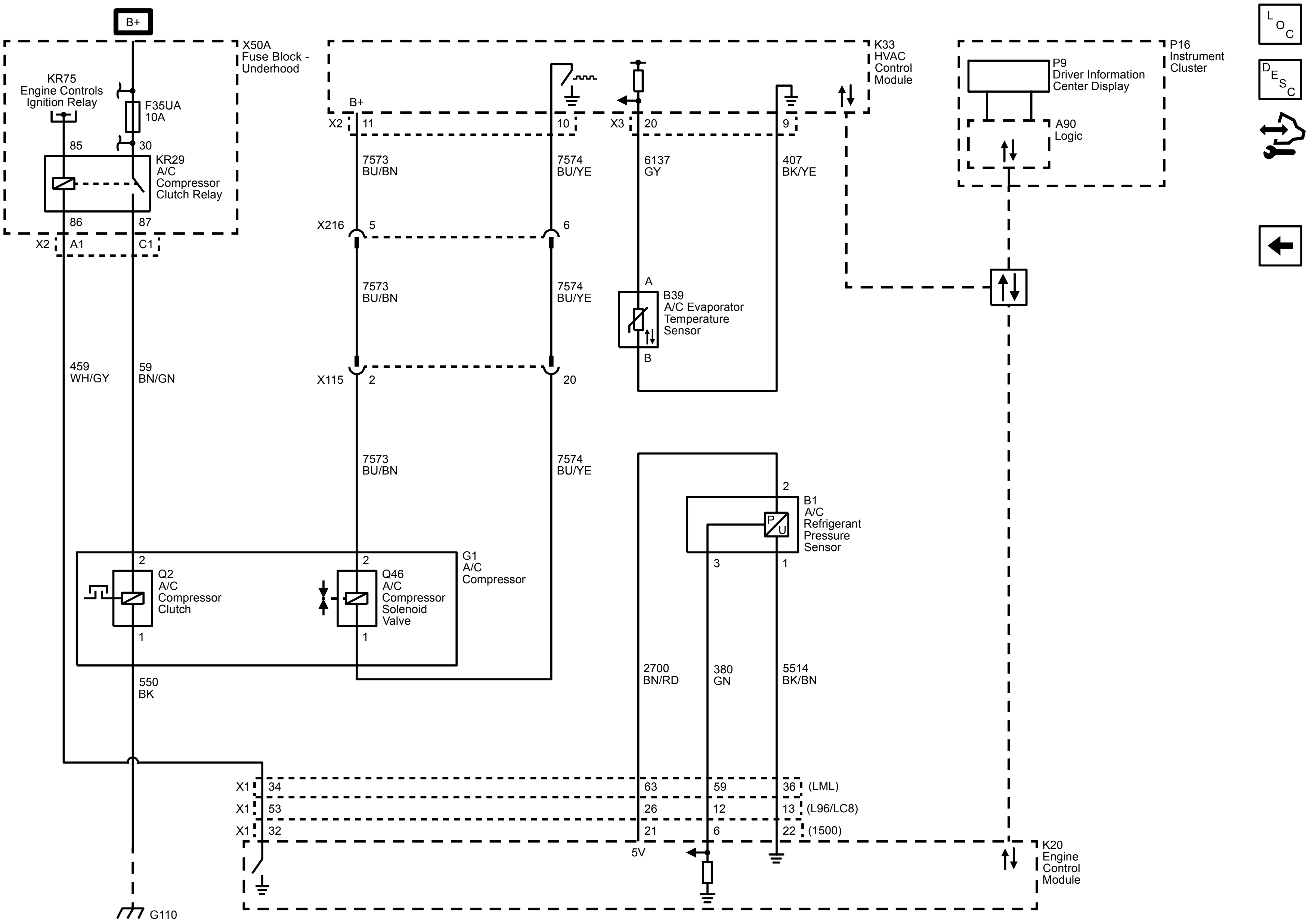


B+
B+
X51R Fuse Block - Instrument Panel Right
F43DR 40A
X1 22
542 RD/VT
X217 1
542 RD/VT
KR73 Ignition Main Relay
F22DL 15A
F26DL 10A
F34DL 10A
X51L Fuse Block - Instrument Panel Left
X2 15 25 35
2840 RD/GY
J220
2840 RD/GY
X2 1
P17 Info Display Module
(C67) A/C
A26 HVAC Controls
B+
(C67) A/C
M8 Blower Motor
1
M
B+
A90 Logic
6 2
539 VT/GY
3340 RD/VT
X2 9 3 10
7531 GN/YE
5060 GN
X215 5 4 3
1050 BK
754 BU/GY
539 VT/GY
3340 RD/VT
7531 GN/YE
5060 GN
2550 BK
X2 15 9 1 4 2
IGN
B+
K33 HVAC Control Module
X2 8
1851 BK/WH
G210
G218
G325

Ambient Light/Sunload Sensor and Mode Doors

LOC
DESC


K33
HVAC
Control
Module
X3
3
5V
X2
17
X3
4
17
18
12
13
598
GY/RD
J257
119
WH
598
GY/RD
2275
WH/GN
1614
GN
598
GY/RD
1838
VT/GN
1199
BU/BN
598
GY/RD
733
BU/YE
5
3
2
M37
Mode Door
Actuator
M
6
1
5
3
2
M4
Air Inlet
Door
Actuator
M
6
1
5
3
2
M6L
Air
Temperature
Door
Actuator -
Left
M
6
1
2273
YE/BN
1791
BK/YE
2274
YE/BK
1791
BK/YE
2210
GY/GN
1791
BK/YE
J255
X3
2
16
11
Theft
Deterrent
System
Schematics
Headlights/
Daytime
Running
Lights (DRL)
Schematics
728
GY
1
278
WH/BU
5
B10B
Ambient
Light/
Sunload
Sensor
6
1791
BK/YE
X215
10
1791
BK/YE
1791
BK/YE
X2
18


B+
X50A
Fuse Block - Underhood
KR75
Engine Controls Ignition Relay
F35UA
10A
85
30
KR29
A/C Compressor Clutch Relay
86
87
X2
A1
C1
459
WH/GY
59
BN/GN
K33
HVAC Control Module
B+
X2
11
10
X3
20
9
7573
BU/BN
7574
BU/YE
6137
GY
407
BK/YE
X216
5
6
X115
2
20
A
B39
A/C Evaporator Temperature Sensor
B
P16
Instrument Cluster
P9
Driver Information Center Display
A90
Logic
2
B1
A/C Refrigerant Pressure Sensor
P
U
3
1
G1
A/C Compressor
Q2
A/C Compressor Clutch
Q46
A/C Compressor Solenoid Valve
2
1
550
BK
2700
BN/RD
380
GN
5514
BK/BN
X1
34
63
59
36
(LML)
X1
53
26
12
13
(L96/LC8)
X1
32
21
6
22
(1500)
5V
K20
Engine Control Module
G110
L
O
C
D
E
S
C

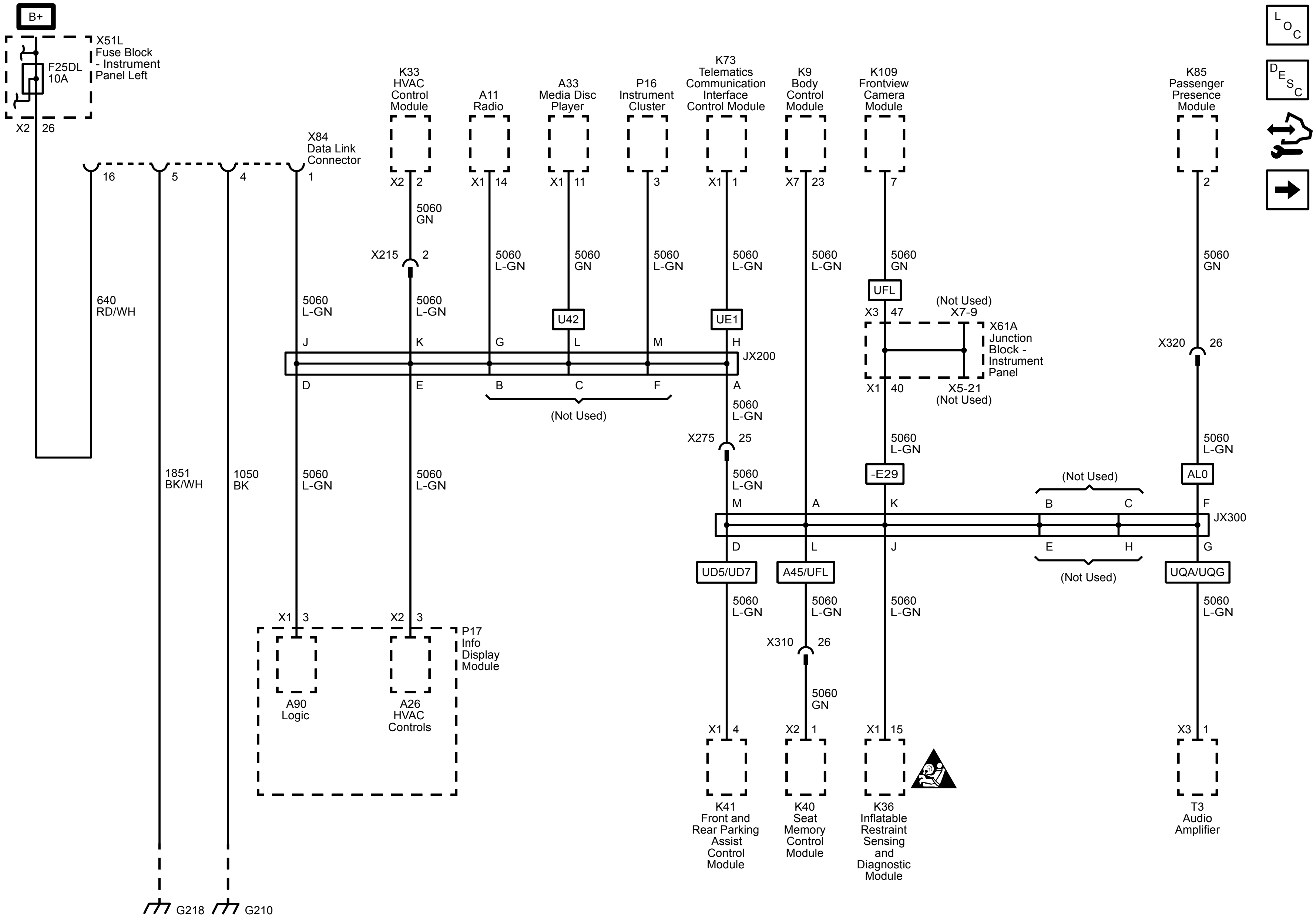
Power and Signal Distribution

Data Communications

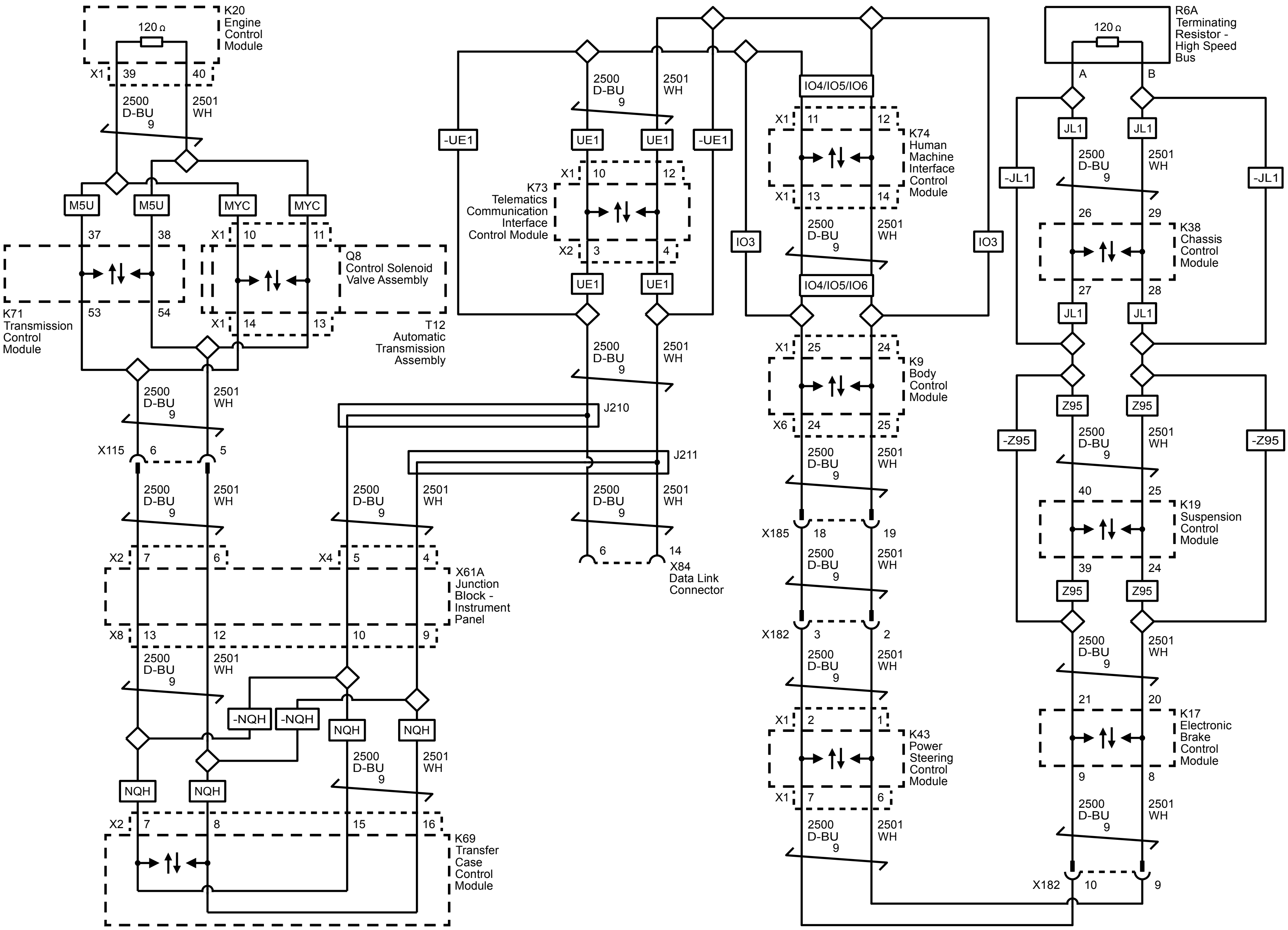
Schematic and Routing Diagrams

Data Communication Schematics

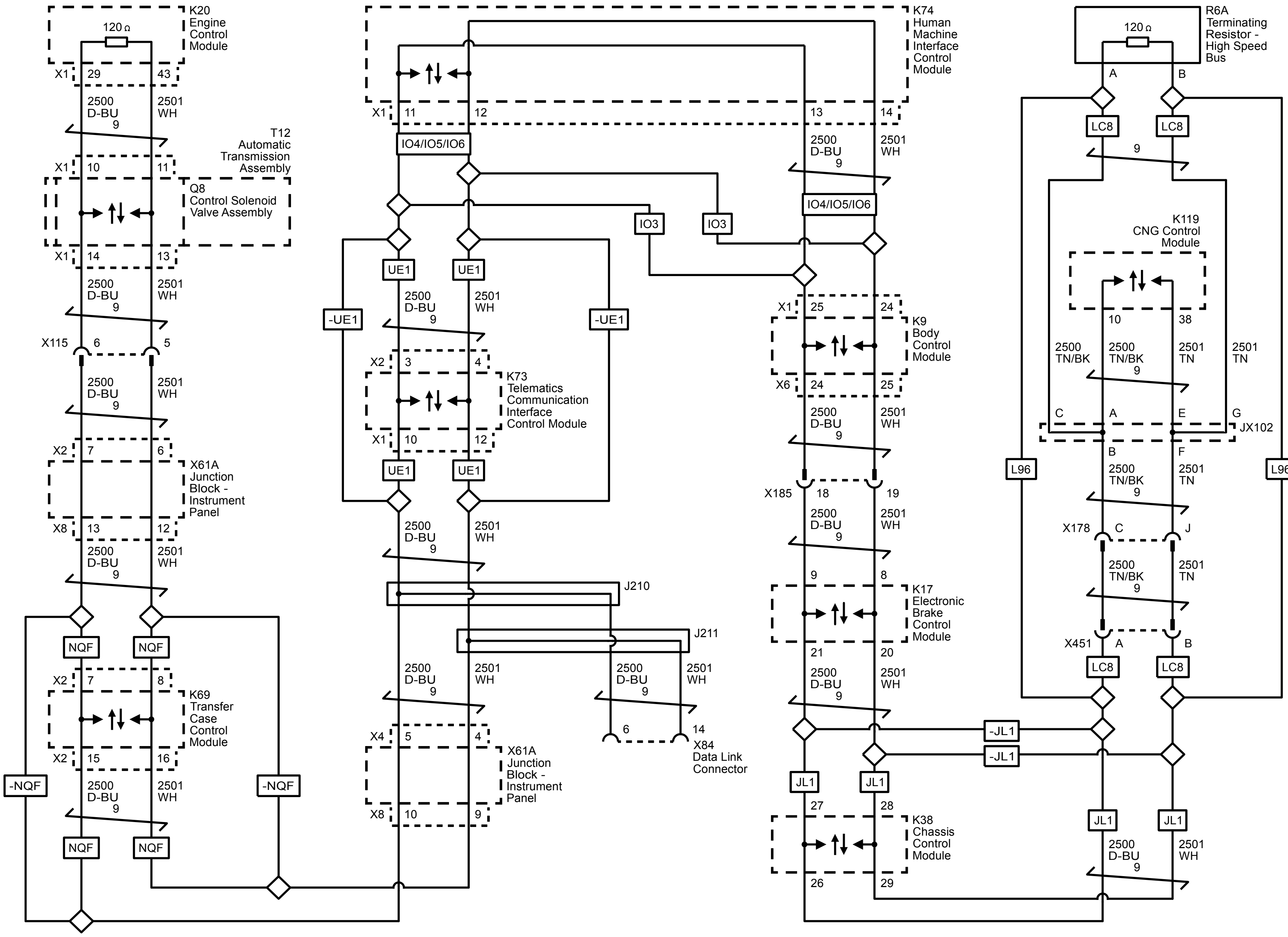
Data Link Power and Ground, and Low Speed GMLAN


B+
X51L
Fuse Block - Instrument Panel Left
F25DL
10A
X2 26
640
RD/WH
X84
Data Link Connector
16
5
4
1
1851
BK/WH
1050
BK
G218
G210
K33
HVAC Control Module
X2 2
5060
GN
X215 2
5060
L-GN
A11
Radio
X1 14
A33
Media Disc Player
X1 11
U42
P16
Instrument Cluster
3
K73
Telematics Communication Interface Control Module
X1 1
UE1
K9
Body Control Module
X7 23
K109
Frontview Camera Module
7
UFL
X3 47
(Not Used)
X7-9
X61A
Junction Block - Instrument Panel
X1 40
X5-21
(Not Used)
-E29
K85
Passenger Presence Module
2
X320 26
AL0
JX200
J K G L M H
D E B C F A
(Not Used)
X275 25
JX300
M A K B C F
D L J E H G
(Not Used)
(Not Used)
UD5/UD7
A45/UFL
UQA/UQG
X310 26
X1 3
X2 3
P17
Info Display Module
A90
Logic
A26
HVAC Controls
X1 4
K41
Front and Rear Parking Assist Control Module
X2 1
K40
Seat Memory Control Module
X1 15
K36
Inflatable Restraint Sensing and Diagnostic Module
X3 1
T3
Audio Amplifier
LOC
DESC

High Speed GMLAN (1500 except E29)

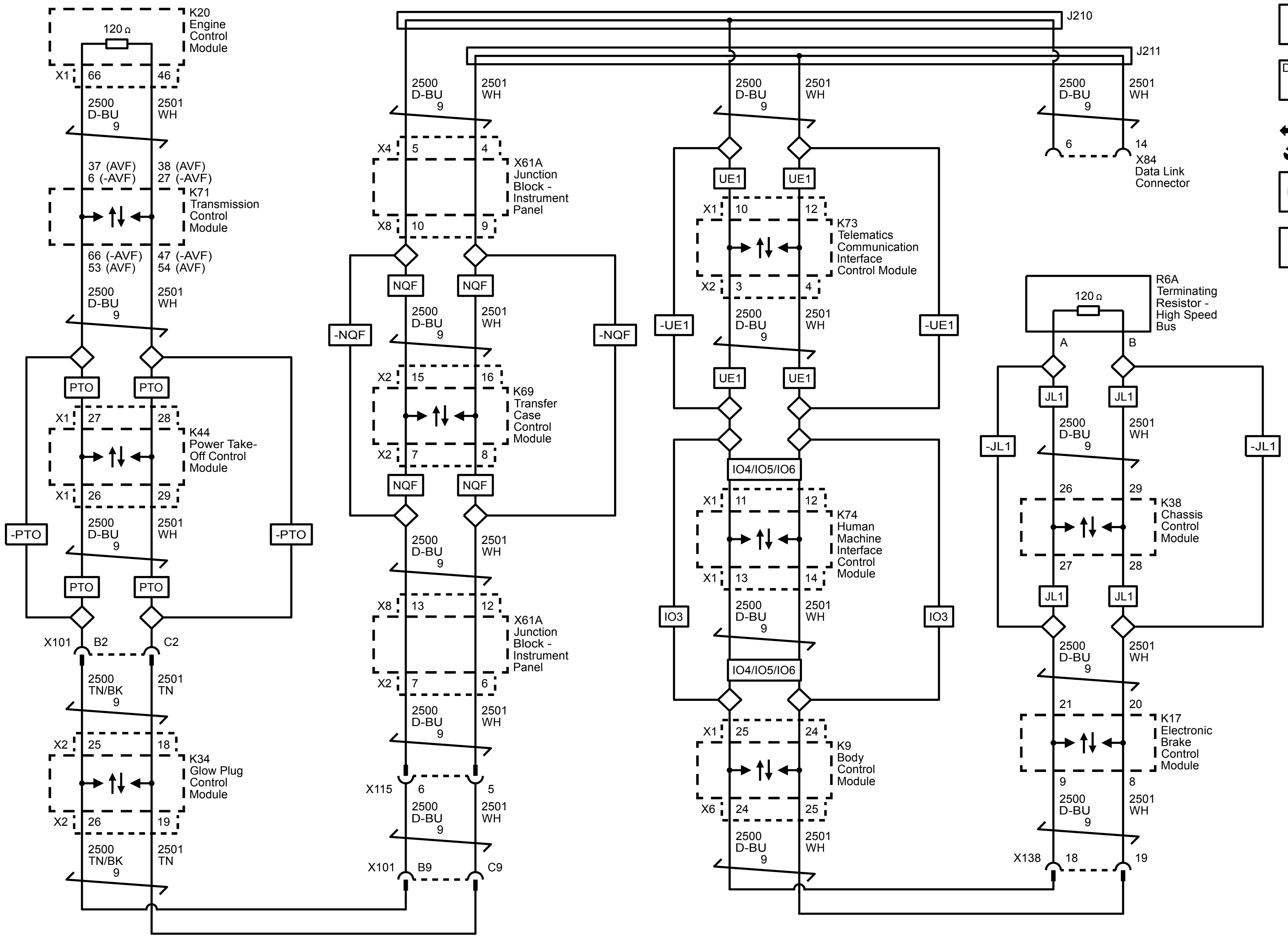

K20
Engine
Control
Module
120 Ω
X1
39
40
2500
D-BU
9
2501
WH
M5U
M5U
MYC
MYC
37
38
X1
10
11
K71
Transmission
Control
Module
53
54
Q8
Control Solenoid
Valve Assembly
X1
14
13
T12
Automatic
Transmission
Assembly
X115
6
5
X2
7
6
X4
5
4
X61A
Junction
Block -
Instrument
Panel
X8
13
12
10
9
-NQH
-NQH
NQH
NQH
NQH
NQH
X2
7
8
15
16
K69
Transfer
Case
Control
Module
-UE1
UE1
UE1
-UE1
K73
Telematics
Communication
Interface
Control Module
X1
10
12
X2
3
4
UE1
UE1
J210
J211
X84
Data Link
Connector
6
14
IO4/IO5/IO6
X1
11
12
K74
Human
Machine
Interface
Control
Module
X1
13
14
IO3
IO3
IO4/IO5/IO6
X1
25
24
K9
Body
Control
Module
X6
24
25
X185
18
19
X182
3
2
X1
2
1
K43
Power
Steering
Control
Module
X1
7
6
R6A
Terminating
Resistor -
High Speed
Bus
120 Ω
A
B
JL1
JL1
-JL1
-JL1
26
29
K38
Chassis
Control
Module
27
28
JL1
JL1
Z95
Z95
-Z95
-Z95
40
25
K19
Suspension
Control
Module
39
24
Z95
Z95
21
20
K17
Electronic
Brake
Control
Module
9
8
X182
10
9

High Speed GMLAN (2500/3500 except E29 or LML)


K20
Engine
Control
Module
120 Ω
X1
29
43
2500
D-BU
9
2501
WH
T12
Automatic
Transmission
Assembly
X1
10
11
Q8
Control Solenoid
Valve Assembly
X1
14
13
2500
D-BU
9
2501
WH
X115
6
5
2500
D-BU
9
2501
WH
X2
7
6
X61A
Junction
Block -
Instrument
Panel
X8
13
12
2500
D-BU
9
2501
WH
NQF
NQF
X2
7
8
K69
Transfer
Case
Control
Module
X2
15
16
-NQF
-NQF
2500
D-BU
9
2501
WH
NQF
NQF
K74
Human
Machine
Interface
Control
Module
X1
11
12
13
14
IO4/IO5/IO6
2500
D-BU
9
2501
WH
IO4/IO5/IO6
IO3
IO3
UE1
UE1
-UE1
-UE1
2500
D-BU
9
2501
WH
X2
3
4
K73
Telematics
Communication
Interface
Control Module
X1
10
12
UE1
UE1
2500
D-BU
9
2501
WH
J210
J211
2500
D-BU
9
2501
WH
2500
D-BU
9
2501
WH
6
14
X84
Data Link
Connector
X4
5
4
X61A
Junction
Block -
Instrument
Panel
X8
10
9
X1
25
24
K9
Body
Control
Module
X6
24
25
2500
D-BU
9
2501
WH
X185
18
19
2500
D-BU
9
2501
WH
9
8
K17
Electronic
Brake
Control
Module
21
20
2500
D-BU
9
2501
WH
-JL1
-JL1
JL1
JL1
27
28
K38
Chassis
Control
Module
26
29
R6A
Terminating
Resistor -
High Speed
Bus
120 Ω
A
B
LC8
LC8
9
K119
CNG Control
Module
10
38
2500
TN/BK
2500
TN/BK
9
2501
TN
2501
TN
C
A
E
G
JX102
B
F
L96
L96
2500
TN/BK
9
2501
TN
X178
C
J
2500
TN/BK
9
2501
TN
X451
A
B
LC8
LC8
JL1
JL1
2500
D-BU
9
2501
WH

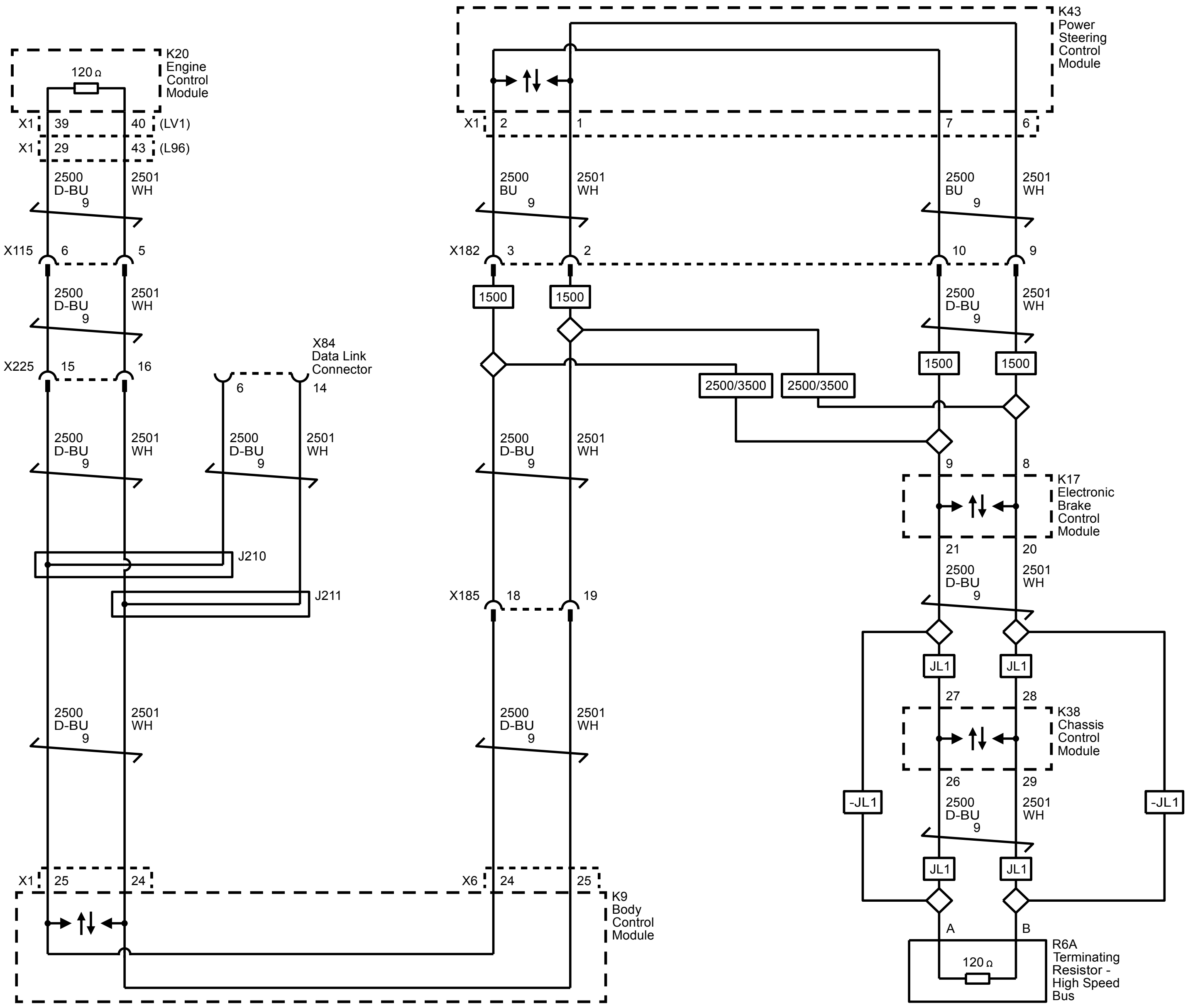
LOC
DESC

High Speed GMLAN (LML)

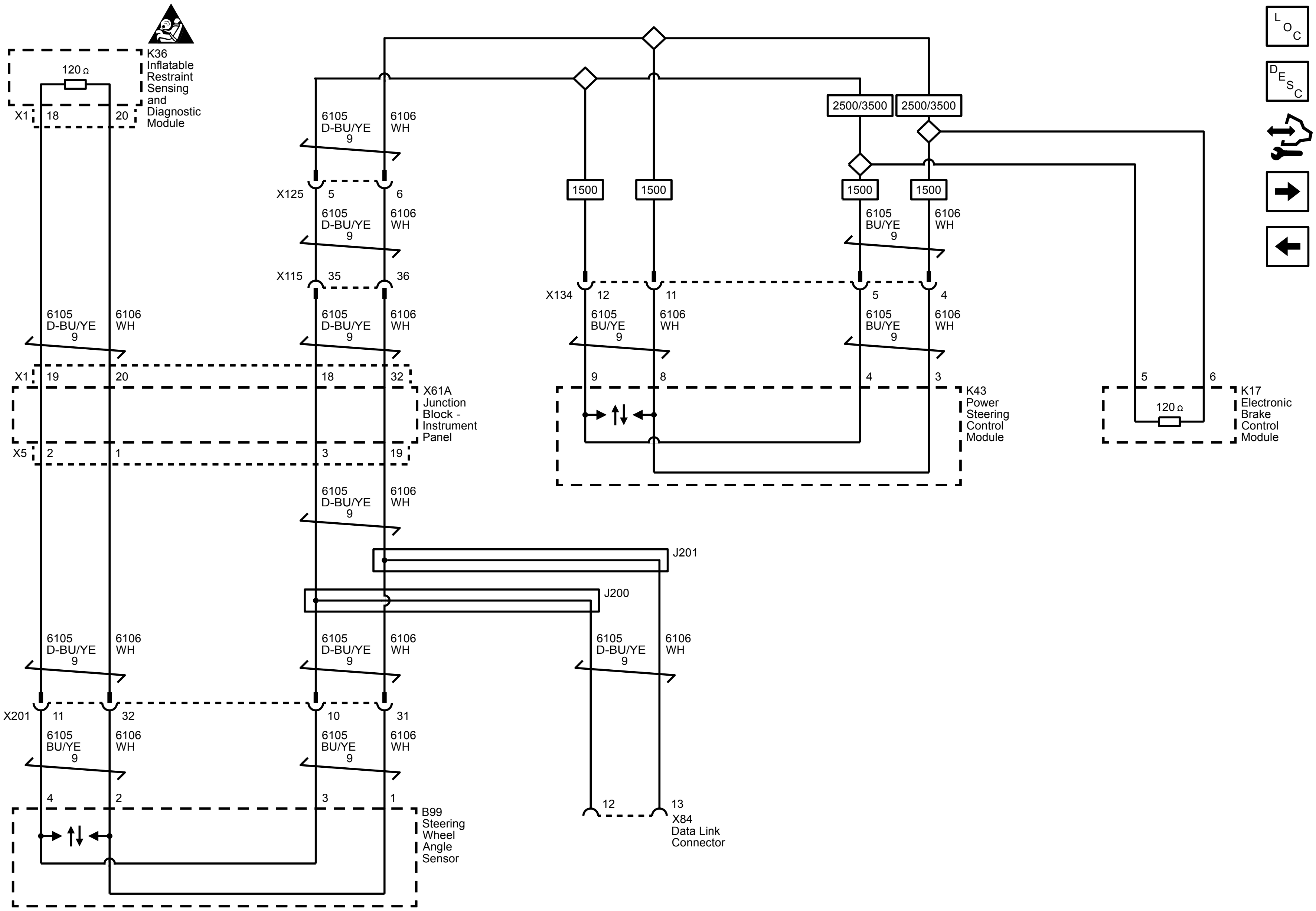

K20 Engine Control Module
120 Ω
X1 66 46
2500 D-BU 9
2501 WH
37 (AVF) 6 (-AVF)
38 (AVF) 27 (-AVF)
K71 Transmission Control Module
66 (-AVF) 53 (AVF)
47 (-AVF) 54 (AVF)
PTO
-PTO
X1 27 28
K44 Power Take-Off Control Module
X1 26 29
X101 B2 C2
2500 TN/BK 9
2501 TN
X2 25 18
K34 Glow Plug Control Module
X2 26 19
J210
J211
X4 5 4
X61A Junction Block - Instrument Panel
X8 10 9
NQF
-NQF
X2 15 16
K69 Transfer Case Control Module
X2 7 8
X8 13 12
X2 7 6
X115 6 5
X101 B9 C9
UE1
-UE1
X1 10 12
K73 Telematics Communication Interface Control Module
X2 3 4
IO4/IO5/IO6
X1 11 12
K74 Human Machine Interface Control Module
X1 13 14
IO3
X1 25 24
K9 Body Control Module
X6 24 25
6 14
X84 Data Link Connector
R6A Terminating Resistor - High Speed Bus
A B
JL1
-JL1
26 29
K38 Chassis Control Module
27 28
21 20
K17 Electronic Brake Control Module
9 8
X138 18 19

2015 CHEVROLET SILVERADO/GMC SIERRA
ELECTRICAL SECTION

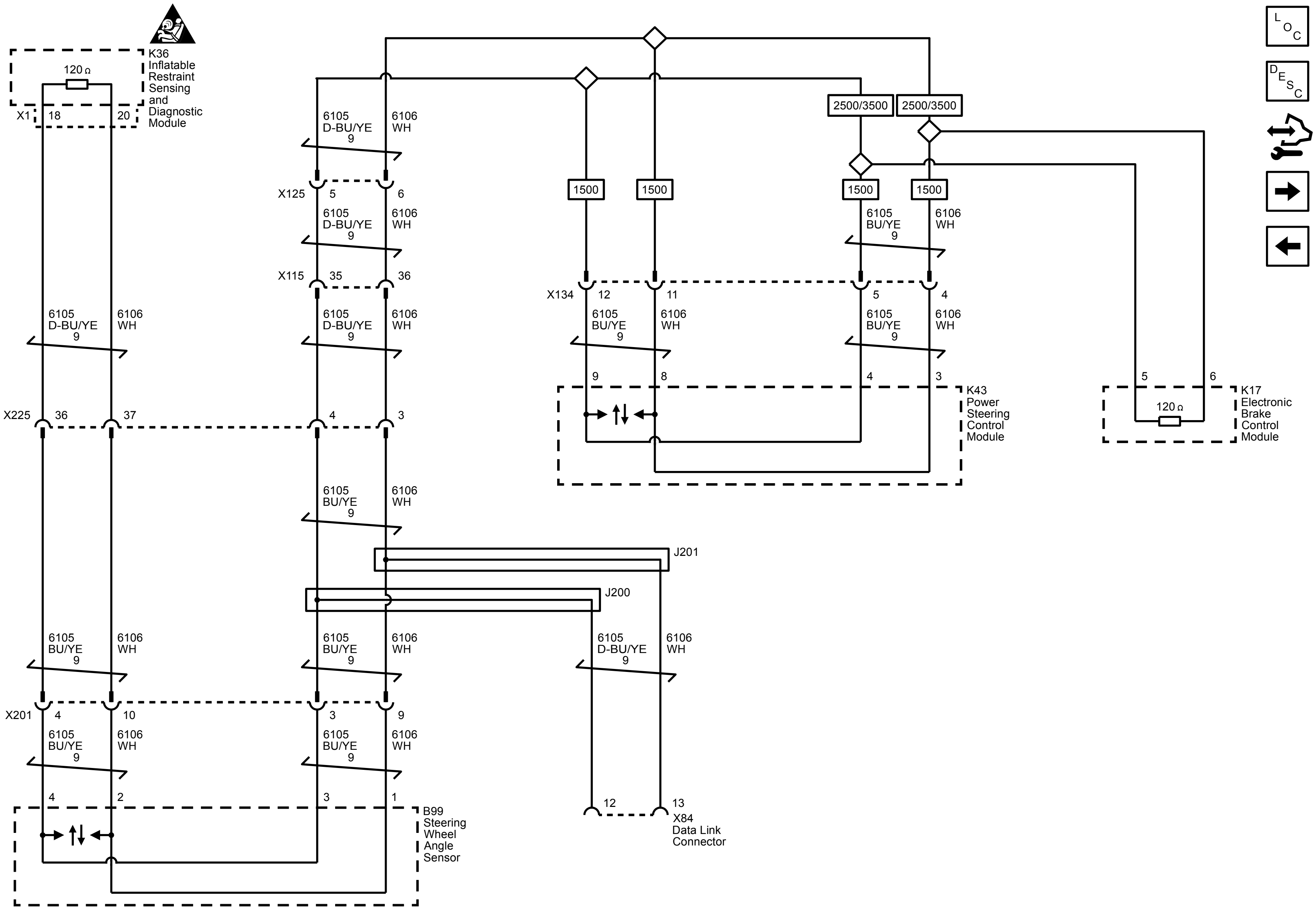
High Speed GMLAN (E29)

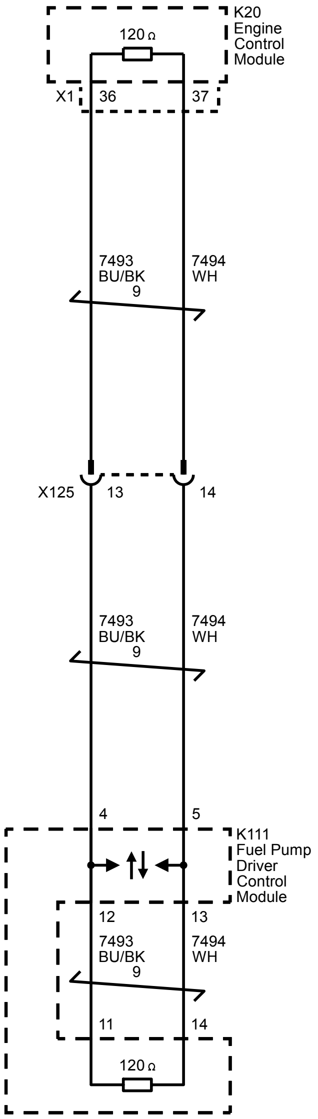

K20
Engine
Control
Module
120 Ω
X1 39 40 (LV1)
X1 29 43 (L96)
2500
D-BU
9
2501
WH
X115 6 5
X225 15 16
X84
Data Link
Connector
6 14
J210
J211
K43
Power
Steering
Control
Module
X1 2 1 7 6
2500
BU
X182 3 2 10 9
1500
2500/3500
9 8
K17
Electronic
Brake
Control
Module
21 20
X185 18 19
JL1
27 28
K38
Chassis
Control
Module
26 29
-JL1
A B
R6A
Terminating
Resistor -
High Speed
Bus
X1 25 24
X6 24 25
K9
Body
Control
Module

Chassis Expansion Bus (except E29)

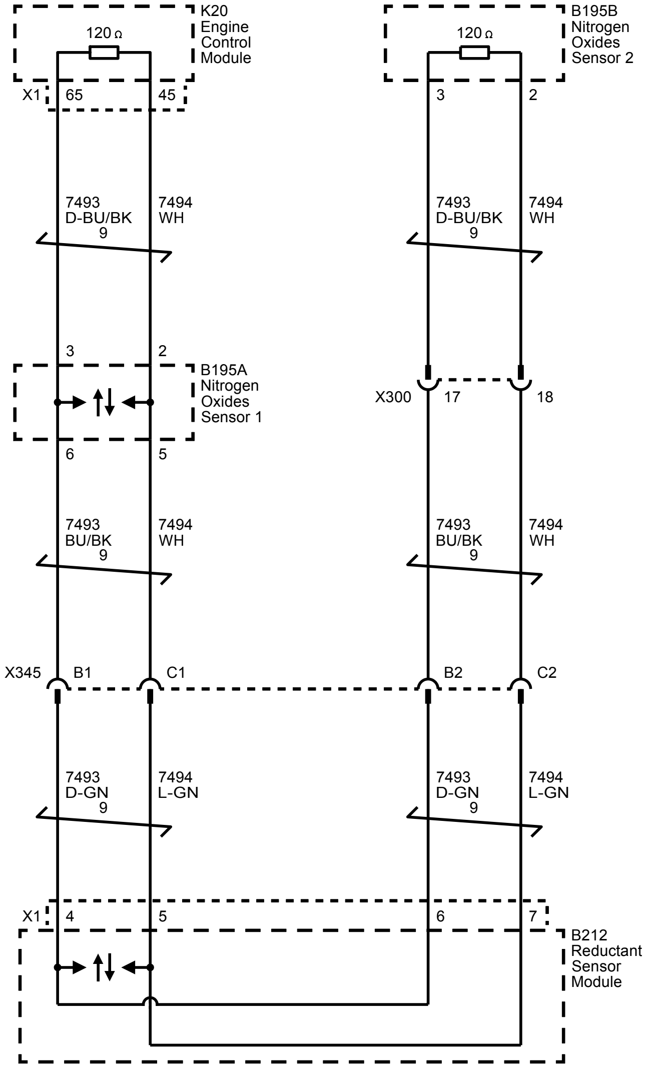

K36
Inflatable
Restraint
Sensing
and
Diagnostic
Module
120 Ω
X1
18
20
6105
D-BU/YE
9
6106
WH
X125
5
6
X115
35
36
X1
19
20
18
32
X61A
Junction
Block -
Instrument
Panel
X5
2
1
3
19
J201
J200
X201
11
32
10
31
6105
BU/YE
9
4
2
3
1
B99
Steering
Wheel
Angle
Sensor
12
13
X84
Data Link
Connector
2500/3500
2500/3500
1500
1500
1500
1500
6105
BU/YE
9
6106
WH
X134
12
11
5
4
9
8
4
3
K43
Power
Steering
Control
Module
5
6
120 Ω
K17
Electronic
Brake
Control
Module
LOC
DESC

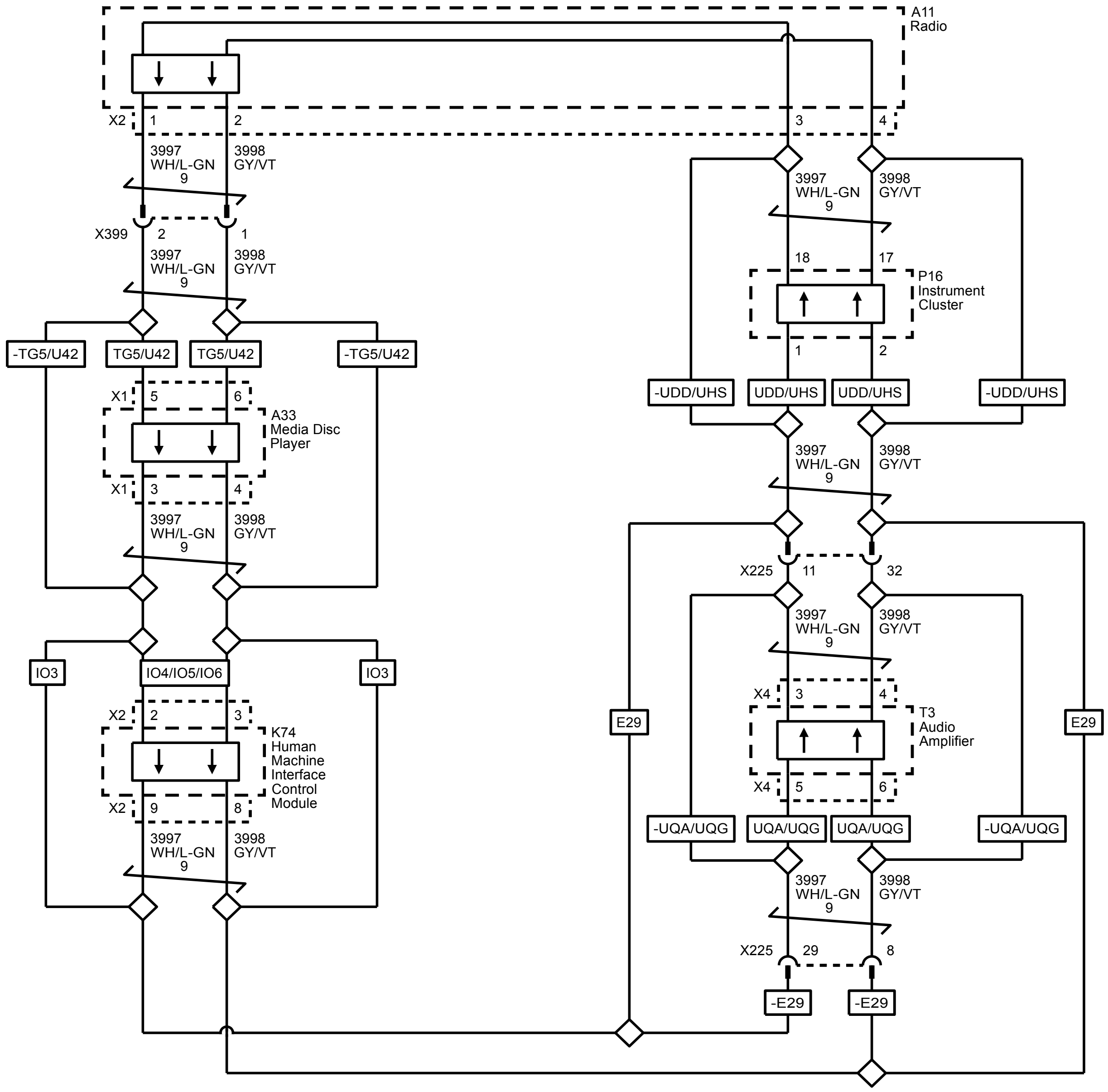
Chassis Expansion Bus (E29)


K36 Inflatable Restraint Sensing and Diagnostic Module
120 Ω
X1
18
20
6105 D-BU/YE 9
6106 WH
X125
5
6
X115
35
36
X225
36
37
4
3
6105 BU/YE 9
J201
J200
X201
4
10
3
9
B99 Steering Wheel Angle Sensor
2
1
12
13
X84 Data Link Connector
1500
2500/3500
X134
12
11
5
4
6105 BU/YE 9
6106 WH
9
8
K43 Power Steering Control Module
5
6
K17 Electronic Brake Control Module
L O C
D E S C


K20
Engine
Control
Module
120 Ω
X1
36
37
7493
BU/BK
9
7494
WH
X125
13
14
7493
BU/BK
9
7494
WH
4
5
K111
Fuel Pump
Driver
Control
Module
12
13
7493
BU/BK
9
7494
WH
11
14
120 Ω

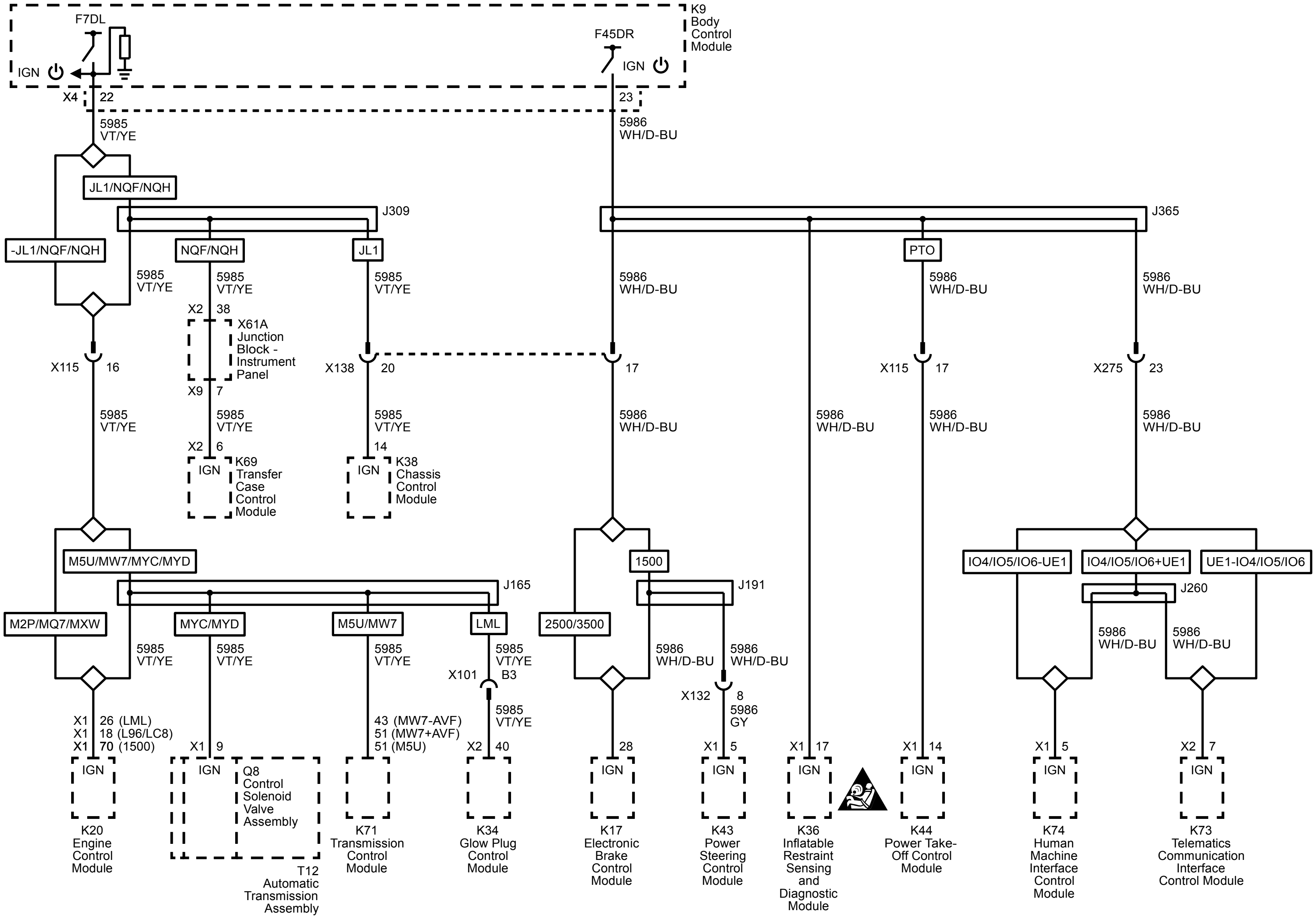
Powertrain Expansion Bus (LML)


K20 Engine Control Module
120 Ω
X1
65
45
B195B Nitrogen Oxides Sensor 2
120 Ω
3
2
7493 D-BU/BK 9
7494 WH
7493 D-BU/BK 9
7494 WH
3
2
B195A Nitrogen Oxides Sensor 1
6
5
X300
17
18
7493 BU/BK 9
7494 WH
7493 BU/BK 9
7494 WH
X345
B1
C1
B2
C2
7493 D-GN 9
7494 L-GN
7493 D-GN 9
7494 L-GN
X1
4
5
6
7
B212 Reductant Sensor Module


A11
Radio
X2
1
2
3
4
3997
WH/L-GN
9
3998
GY/VT
X399
2
1
3997
WH/L-GN
9
3998
GY/VT
-TG5/U42
TG5/U42
TG5/U42
-TG5/U42
X1
5
6
A33
Media Disc
Player
X1
3
4
3997
WH/L-GN
9
3998
GY/VT
IO3
IO4/IO5/IO6
IO3
X2
2
3
K74
Human
Machine
Interface
Control
Module
X2
9
8
3997
WH/L-GN
9
3998
GY/VT
3997
WH/L-GN
9
3998
GY/VT
18
17
P16
Instrument
Cluster
1
2
-UDD/UHS
UDD/UHS
UDD/UHS
-UDD/UHS
3997
WH/L-GN
9
3998
GY/VT
X225
11
32
3997
WH/L-GN
9
3998
GY/VT
E29
X4
3
4
T3
Audio
Amplifier
X4
5
6
E29
-UQA/UQG
UQA/UQG
UQA/UQG
-UQA/UQG
3997
WH/L-GN
9
3998
GY/VT
X225
29
8
-E29
-E29

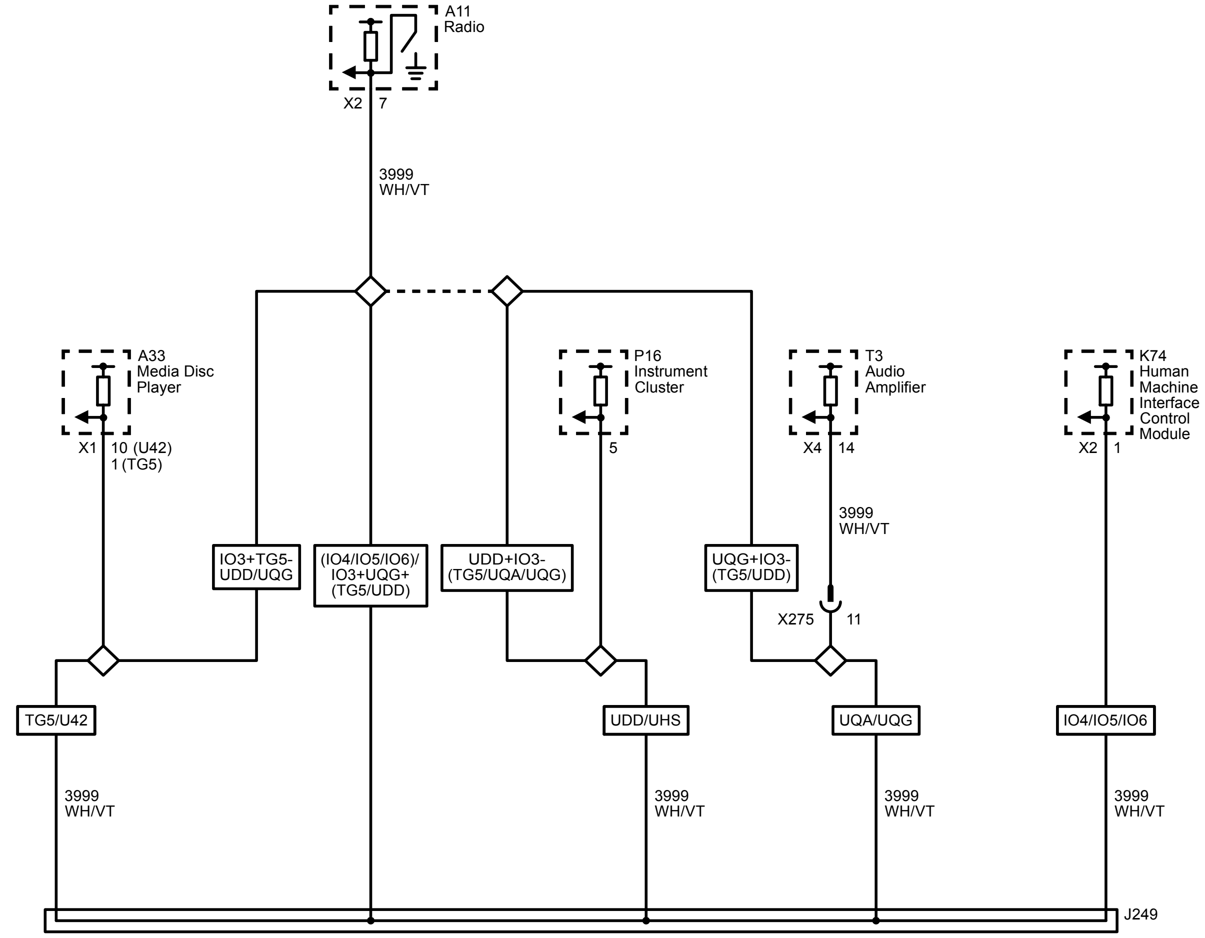
LOC
DESC

Accessory Wakeup and Communications Enable

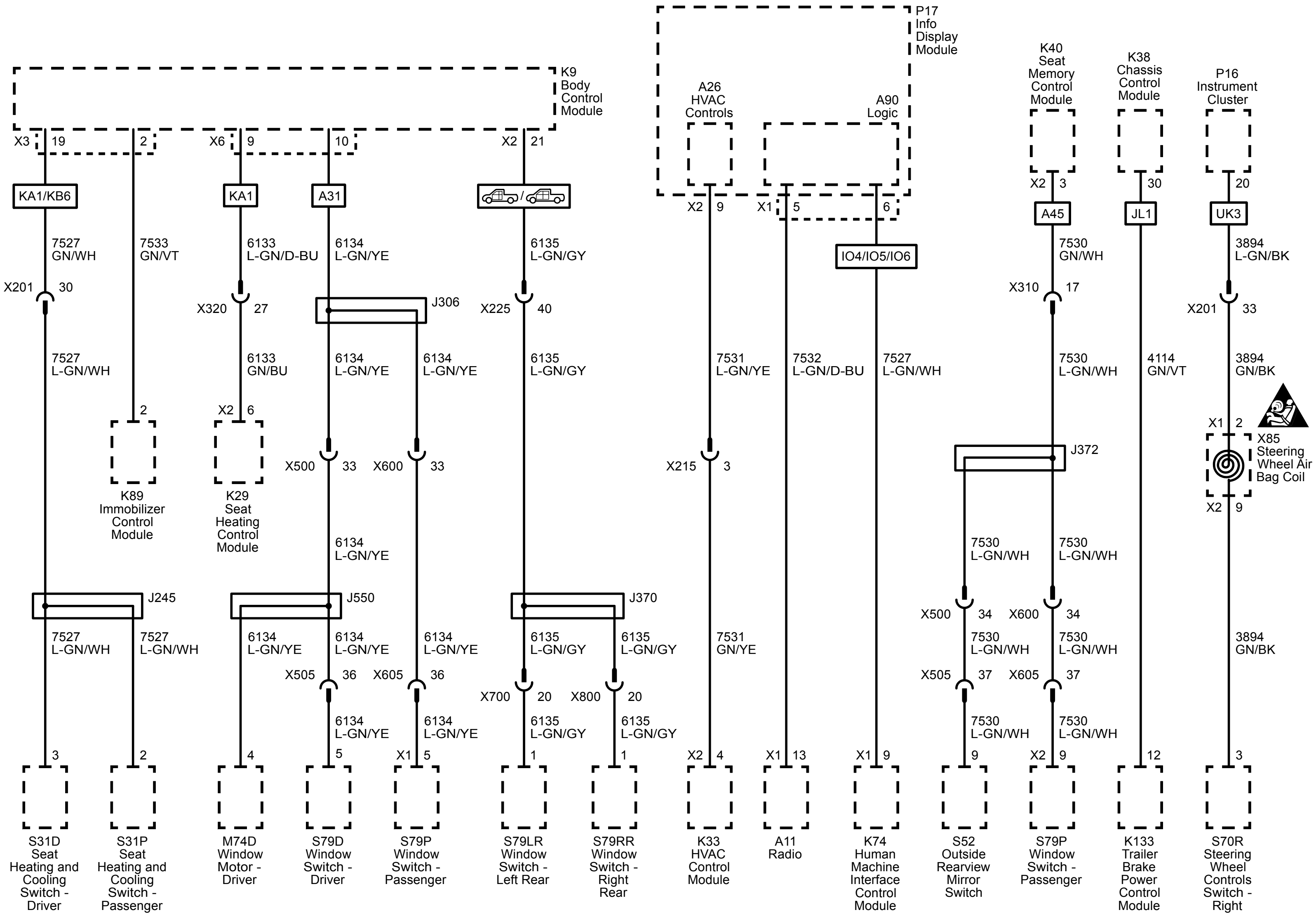

K9
Body
Control
Module
F7DL
IGN
X4
22
5985
VT/YE
F45DR
IGN
23
5986
WH/D-BU
JL1/NQF/NQH
J309
-JL1/NQF/NQH
NQF/NQH
JL1
5985
VT/YE
5985
VT/YE
5985
VT/YE
X2
38
X61A
Junction
Block -
Instrument
Panel
X9
7
X115
16
X138
20
17
5985
VT/YE
5985
VT/YE
5985
VT/YE
X2
6
14
IGN
K69
Transfer
Case
Control
Module
IGN
K38
Chassis
Control
Module
J365
PTO
5986
WH/D-BU
5986
WH/D-BU
5986
WH/D-BU
X115
17
X275
23
5986
WH/D-BU
5986
WH/D-BU
5986
WH/D-BU
5986
WH/D-BU
M5U/MW7/MYC/MYD
J165
M2P/MQ7/MXW
MYC/MYD
M5U/MW7
LML
5985
VT/YE
5985
VT/YE
5985
VT/YE
5985
VT/YE
X101
B3
5985
VT/YE
X1 26 (LML)
X1 18 (L96/LC8)
X1 70 (1500)
X1 9
43 (MW7-AVF)
51 (MW7+AVF)
51 (M5U)
X2 40
IGN
K20
Engine
Control
Module
IGN
Q8
Control
Solenoid
Valve
Assembly
T12
Automatic
Transmission
Assembly
K71
Transmission
Control
Module
K34
Glow Plug
Control
Module
1500
J191
2500/3500
5986
WH/D-BU
5986
WH/D-BU
X132
8
5986
GY
28
X1 5
X1 17
X1 14
IGN
K17
Electronic
Brake
Control
Module
IGN
K43
Power
Steering
Control
Module
IGN
K36
Inflatable
Restraint
Sensing
and
Diagnostic
Module
IGN
K44
Power Take-
Off Control
Module
IO4/IO5/IO6-UE1
IO4/IO5/IO6+UE1
UE1-IO4/IO5/IO6
J260
5986
WH/D-BU
5986
WH/D-BU
X1 5
X2 7
IGN
K74
Human
Machine
Interface
Control
Module
IGN
K73
Telematics
Communication
Interface
Control Module

MOST Communication Enable

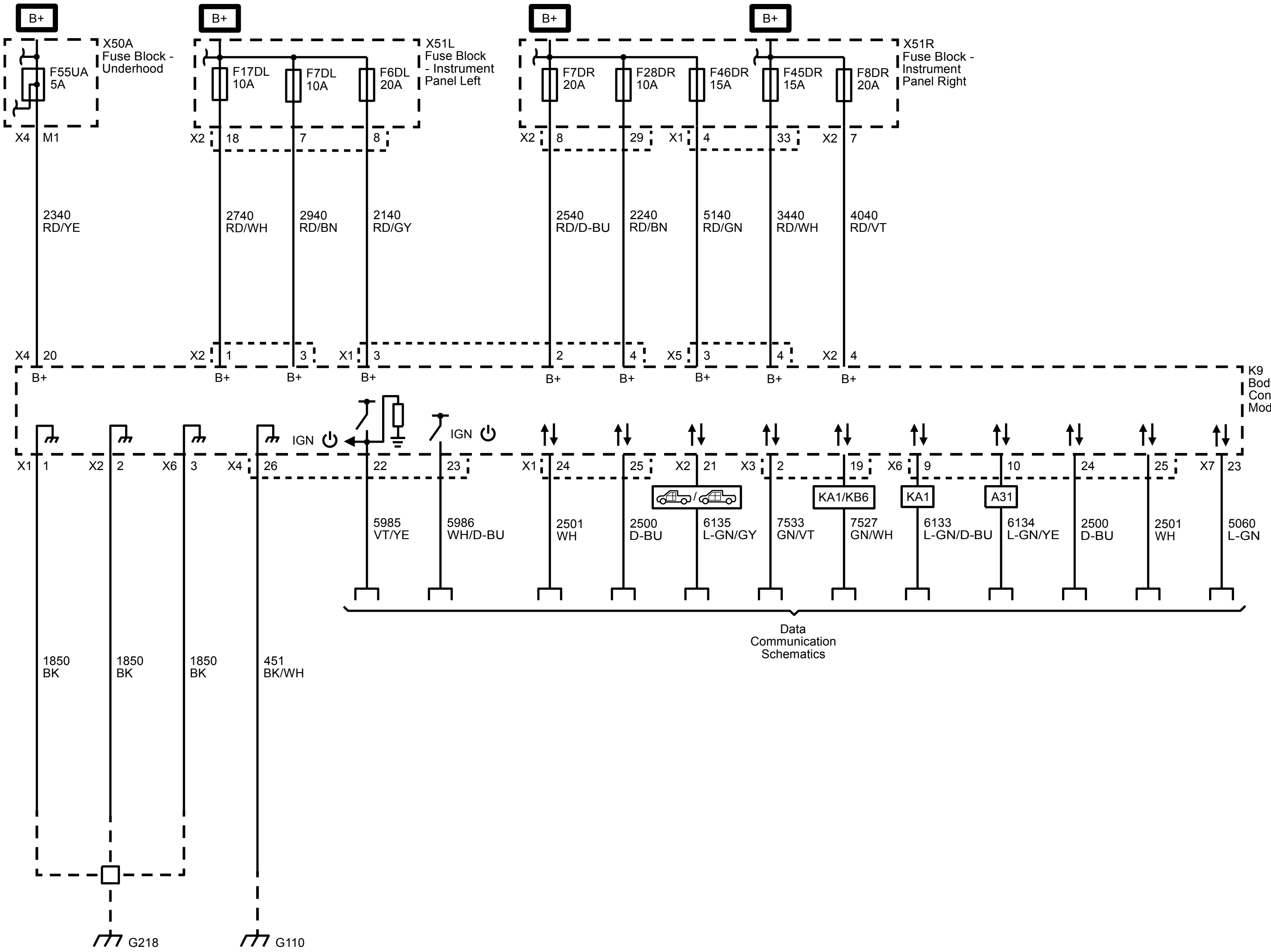
LOC
DESC


A11
Radio
X2
7
3999
WH/VT
A33
Media Disc
Player
X1
10 (U42)
1 (TG5)
P16
Instrument
Cluster
5
T3
Audio
Amplifier
X4
14
3999
WH/VT
K74
Human
Machine
Interface
Control
Module
X2
1
IO3+TG5-
UDD/UQG
(IO4/IO5/IO6)/
IO3+UQG+
(TG5/UDD)
UDD+IO3-
(TG5/UQA/UQG)
UQG+IO3-
(TG5/UDD)
X275
11
TG5/U42
UDD/UHS
UQA/UQG
IO4/IO5/IO6
3999
WH/VT
3999
WH/VT
3999
WH/VT
3999
WH/VT
J249

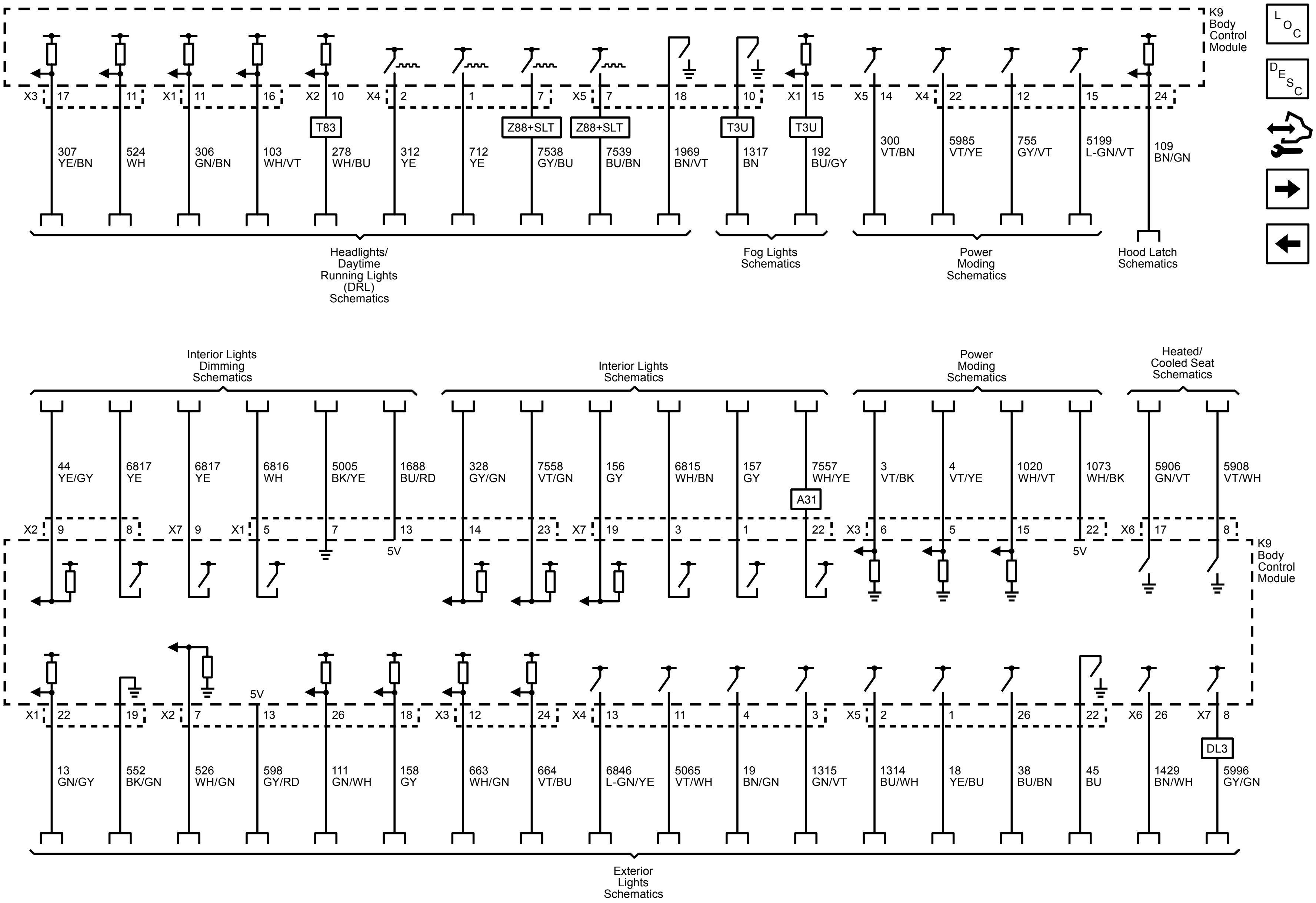
Linear Interconnect Network


K9
Body
Control
Module
X3 19
2
X6 9
10
X2 21
KA1/KB6
KA1
A31
/
7527
GN/WH
7533
GN/VT
6133
L-GN/D-BU
6134
L-GN/YE
6135
L-GN/GY
X201 30
X320 27
J306
X225 40
7527
L-GN/WH
6133
GN/BU
6134
L-GN/YE
6134
L-GN/YE
6135
L-GN/GY
2
X2 6
K89
Immobilizer
Control
Module
K29
Seat
Heating
Control
Module
X500 33
X600 33
6134
L-GN/YE
J245
J550
J370
7527
L-GN/WH
7527
L-GN/WH
6134
L-GN/YE
6134
L-GN/YE
6134
L-GN/YE
6135
L-GN/GY
6135
L-GN/GY
X505 36
X605 36
X700 20
X800 20
6134
L-GN/YE
6134
L-GN/YE
6135
L-GN/GY
6135
L-GN/GY
3
2
4
5
X1 5
1
1
S31D
Seat
Heating and
Cooling
Switch -
Driver
S31P
Seat
Heating and
Cooling
Switch -
Passenger
M74D
Window
Motor -
Driver
S79D
Window
Switch -
Driver
S79P
Window
Switch -
Passenger
S79LR
Window
Switch -
Left Rear
S79RR
Window
Switch -
Right
Rear
P17
Info
Display
Module
A26
HVAC
Controls
A90
Logic
X2 9
X1 5
6
IO4/IO5/IO6
7531
L-GN/YE
7532
L-GN/D-BU
7527
L-GN/WH
X215 3
7531
GN/YE
X2 4
X1 13
X1 9
K33
HVAC
Control
Module
A11
Radio
K74
Human
Machine
Interface
Control
Module
K40
Seat
Memory
Control
Module
K38
Chassis
Control
Module
P16
Instrument
Cluster
X2 3
30
20
A45
JL1
UK3
7530
GN/WH
3894
L-GN/BK
X310 17
X201 33
7530
L-GN/WH
4114
GN/VT
3894
GN/BK
X1 2
X85
Steering
Wheel Air
Bag Coil
X2 9
J372
7530
L-GN/WH
7530
L-GN/WH
X500 34
X600 34
7530
L-GN/WH
7530
L-GN/WH
3894
GN/BK
X505 37
X605 37
7530
L-GN/WH
7530
L-GN/WH
9
X2 9
12
3
S52
Outside
Rearview
Mirror
Switch
S79P
Window
Switch -
Passenger
K133
Trailer
Brake
Power
Control
Module
S70R
Steering
Wheel
Controls
Switch -
Right

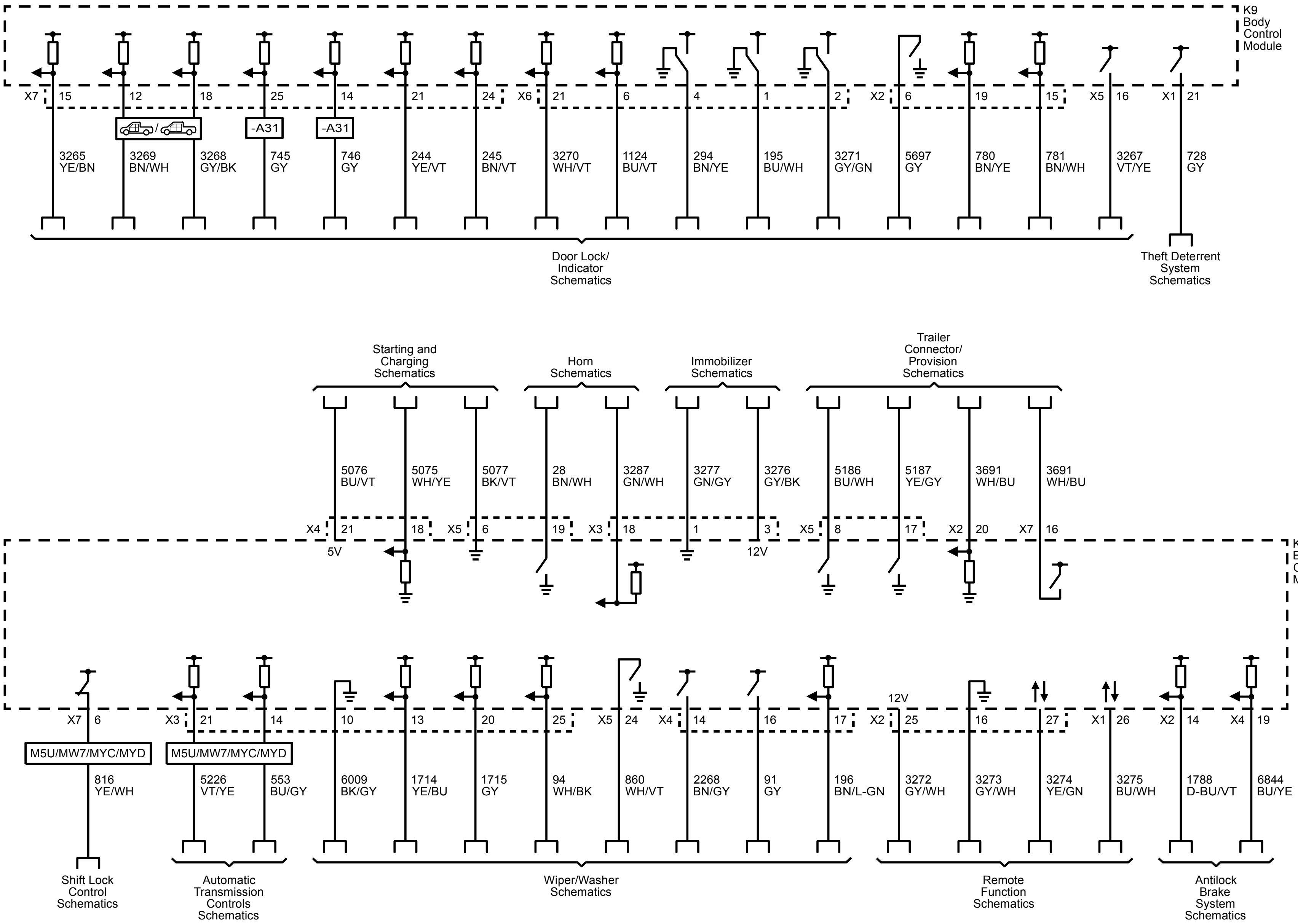
Module Power, Ground and Serial Data


B+
X50A
Fuse Block - Underhood
F55UA
5A
X4
M1
2340
RD/YE
X4
20
B+
B+
X51L
Fuse Block - Instrument Panel Left
F17DL
10A
F7DL
10A
F6DL
20A
X2
18
7
8
2740
RD/WH
2940
RD/BN
2140
RD/GY
X2
1
3
X1
3
B+
B+
B+
B+
B+
X51R
Fuse Block - Instrument Panel Right
F7DR
20A
F28DR
10A
F46DR
15A
F45DR
15A
F8DR
20A
X2
8
29
X1
4
33
X2
7
2540
RD/D-BU
2240
RD/BN
5140
RD/GN
3440
RD/WH
4040
RD/VT
2
4
X5
3
4
X2
4
B+
B+
B+
B+
B+
K9
Body
Control
Module
IGN
IGN
X1
1
X2
2
X6
3
X4
26
22
23
X1
24
25
X2
21
X3
2
19
X6
9
10
24
25
X7
23
KA1/KB6
KA1
A31
5985
VT/YE
5986
WH/D-BU
2501
WH
2500
D-BU
6135
L-GN/GY
7533
GN/VT
7527
GN/WH
6133
L-GN/D-BU
6134
L-GN/YE
2500
D-BU
2501
WH
5060
L-GN
Data
Communication
Schematics
1850
BK
1850
BK
1850
BK
451
BK/WH
G218
G110

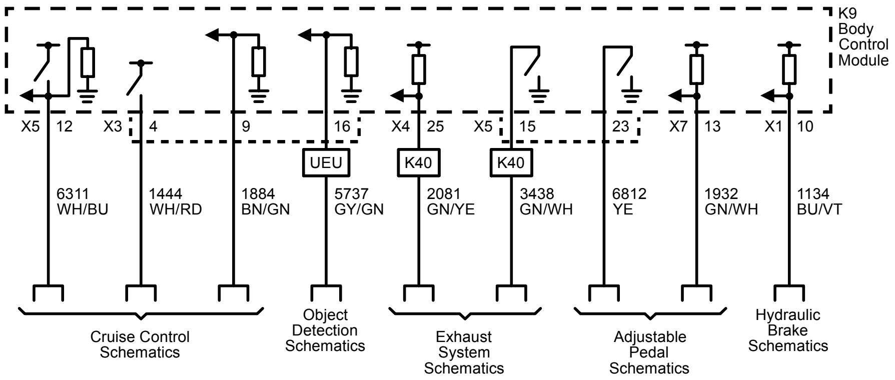
Subsystem References (1 of 3)


K9
Body
Control
Module
X3
17
307
YE/BN
11
524
WH
X1
11
306
GN/BN
16
103
WH/VT
X2
10
T83
278
WH/BU
X4
2
312
YE
1
712
YE
7
Z88+SLT
7538
GY/BU
X5
7
Z88+SLT
7539
BU/BN
18
1969
BN/VT
10
T3U
1317
BN
X1
15
T3U
192
BU/GY
X5
14
300
VT/BN
X4
22
5985
VT/YE
12
755
GY/VT
15
5199
L-GN/VT
24
109
BN/GN
Headlights/ Daytime Running Lights (DRL) Schematics
Fog Lights Schematics
Power Moding Schematics
Hood Latch Schematics
Interior Lights Dimming Schematics
Interior Lights Schematics
Power Moding Schematics
Heated/ Cooled Seat Schematics
44
YE/GY
6817
YE
6817
YE
6816
WH
5005
BK/YE
1688
BU/RD
328
GY/GN
7558
VT/GN
156
GY
6815
WH/BN
157
GY
7557
WH/YE
A31
3
VT/BK
4
VT/YE
1020
WH/VT
1073
WH/BK
5906
GN/VT
5908
VT/WH
X2
9
8
X7
9
X1
5
7
13
5V
14
23
X7
19
3
1
22
X3
6
5
15
22
5V
X6
17
8
K9
Body
Control
Module
5V
X1
22
19
X2
7
13
26
18
X3
12
24
X4
13
11
4
3
X5
2
1
26
22
X6
26
X7
8
DL3
13
GN/GY
552
BK/GN
526
WH/GN
598
GY/RD
111
GN/WH
158
GY
663
WH/GN
664
VT/BU
6846
L-GN/YE
5065
VT/WH
19
BN/GN
1315
GN/VT
1314
BU/WH
18
YE/BU
38
BU/BN
45
BU
1429
BN/WH
5996
GY/GN
Exterior Lights Schematics

Subsystem References (2 of 3)

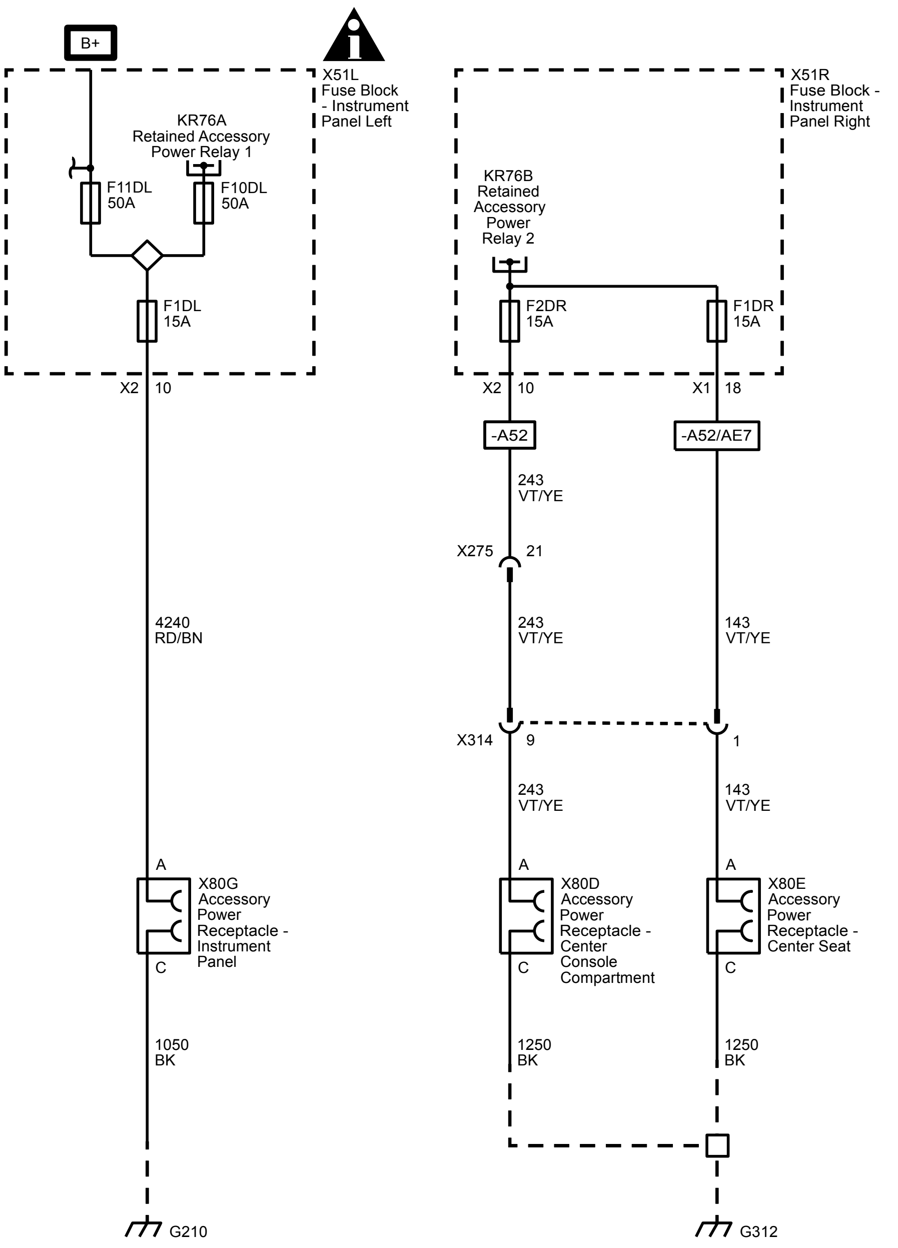

K9 Body Control Module
X7
15
3265 YE/BN
12
3269 BN/WH
18
3268 GY/BK
25
-A31
745 GY
14
-A31
746 GY
21
244 YE/VT
24
245 BN/VT
X6
21
3270 WH/VT
6
1124 BU/VT
4
294 BN/YE
1
195 BU/WH
2
3271 GY/GN
X2
6
5697 GY
19
780 BN/YE
15
781 BN/WH
X5
16
3267 VT/YE
X1
21
728 GY
Door Lock/ Indicator Schematics
Theft Deterrent System Schematics
Starting and Charging Schematics
Horn Schematics
Immobilizer Schematics
Trailer Connector/ Provision Schematics
5076 BU/VT
5075 WH/YE
5077 BK/VT
28 BN/WH
3287 GN/WH
3277 GN/GY
3276 GY/BK
5186 BU/WH
5187 YE/GY
3691 WH/BU
3691 WH/BU
X4
21
18
X5
6
19
X3
18
1
3
X5
8
17
X2
20
X7
16
5V
12V
K9 Body Control Module
X7
6
X3
21
14
10
13
20
25
X5
24
X4
14
16
17
X2
25
16
27
X1
26
X2
14
X4
19
12V
M5U/MW7/MYC/MYD
M5U/MW7/MYC/MYD
816 YE/WH
5226 VT/YE
553 BU/GY
6009 BK/GY
1714 YE/BU
1715 GY
94 WH/BK
860 WH/VT
2268 BN/GY
91 GY
196 BN/L-GN
3272 GY/WH
3273 GY/WH
3274 YE/GN
3275 BU/WH
1788 D-BU/VT
6844 BU/YE
Shift Lock Control Schematics
Automatic Transmission Controls Schematics
Wiper/Washer Schematics
Remote Function Schematics
Antilock Brake System Schematics

Subsystem References (3 of 3)

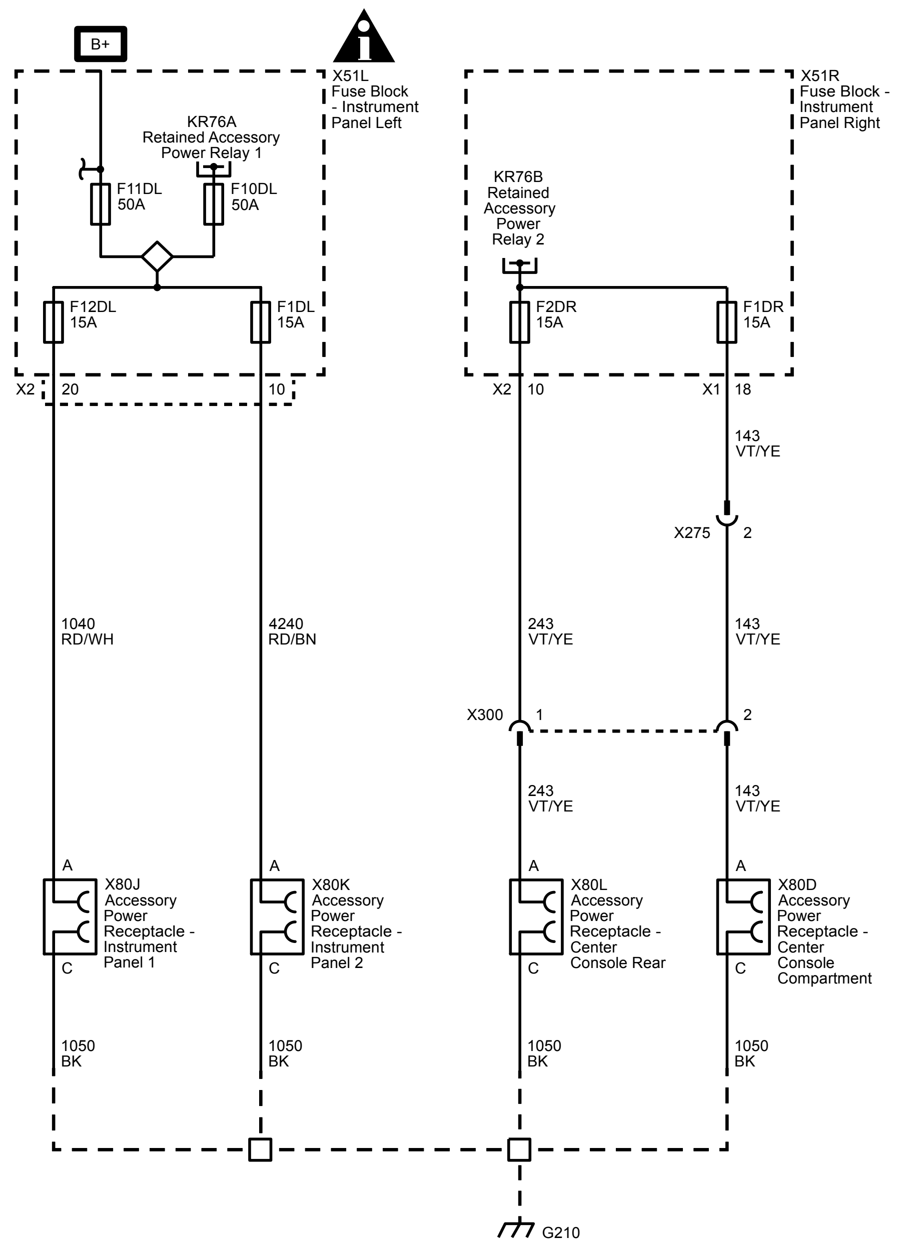

K9
Body
Control
Module
X5
12
X3
4
9
16
X4
25
X5
15
23
X7
13
X1
10
UEU
K40
K40
6311
WH/BU
1444
WH/RD
1884
BN/GN
5737
GY/GN
2081
GN/YE
3438
GN/WH
6812
YE
1932
GN/WH
1134
BU/VT
Cruise Control
Schematics
Object
Detection
Schematics
Exhaust
System
Schematics
Adjustable
Pedal
Schematics
Hydraulic
Brake
Schematics

LOC
DESC

12-Volt DC Power Outlets (Bench Seat - D09)


B+
X51L
Fuse Block
- Instrument
Panel Left
KR76A
Retained Accessory
Power Relay 1
F11DL
50A
F10DL
50A
F1DL
15A
X2 10
4240
RD/BN
A
X80G
Accessory
Power
Receptacle -
Instrument
Panel
C
1050
BK
G210
X51R
Fuse Block -
Instrument
Panel Right
KR76B
Retained
Accessory
Power
Relay 2
F2DR
15A
F1DR
15A
X2 10
X1 18
-A52
-A52/AE7
243
VT/YE
X275 21
243
VT/YE
143
VT/YE
X314 9
1
243
VT/YE
143
VT/YE
A
X80D
Accessory
Power
Receptacle -
Center
Console
Compartment
C
A
X80E
Accessory
Power
Receptacle -
Center Seat
C
1250
BK
1250
BK
G312

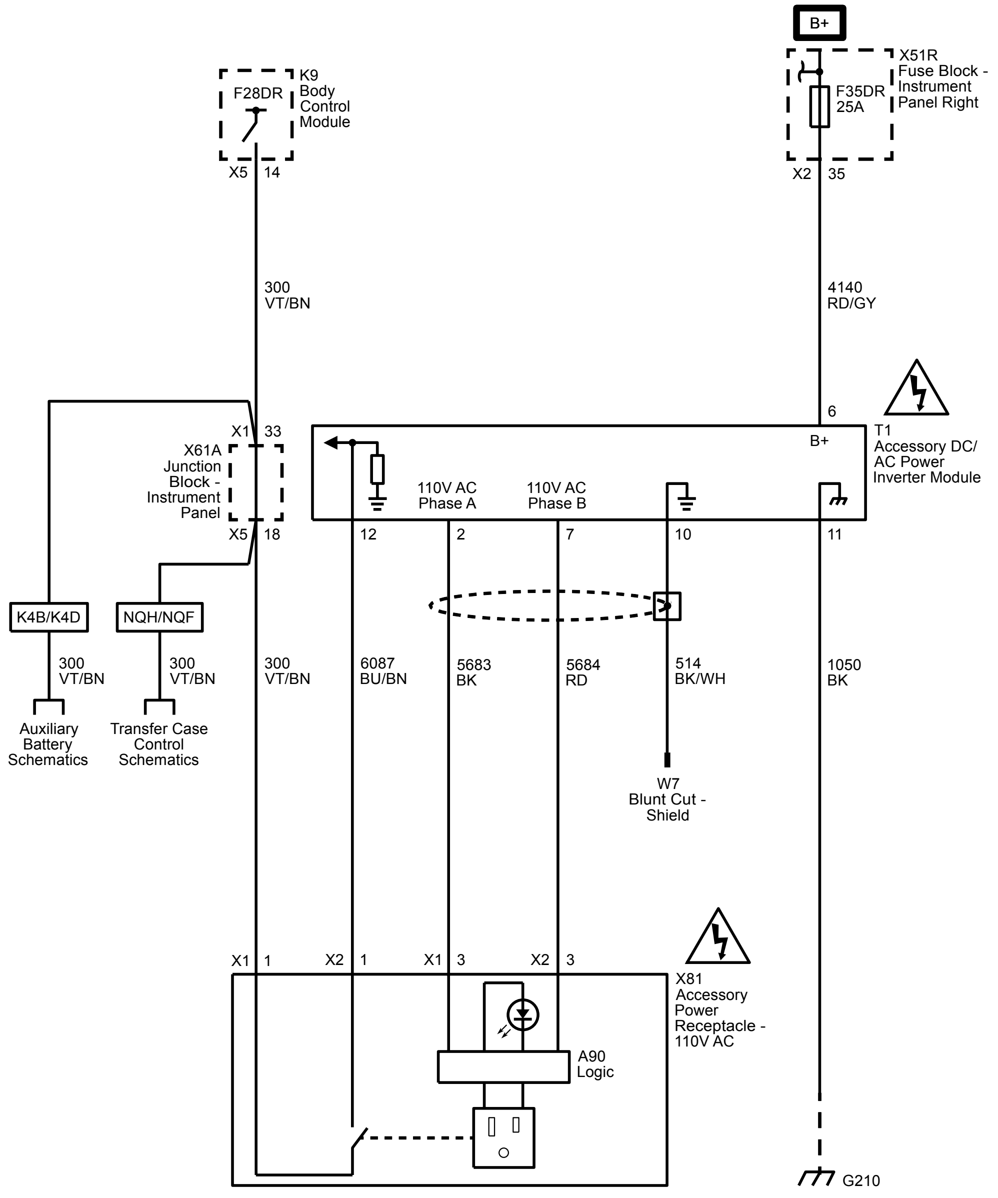
12-Volt DC Power Outlets (with Console - D07)


B+
X51L
Fuse Block
- Instrument
Panel Left
KR76A
Retained Accessory
Power Relay 1
F11DL
50A
F10DL
50A
F12DL
15A
F1DL
15A
X2
20
10
1040
RD/WH
4240
RD/BN
X51R
Fuse Block -
Instrument
Panel Right
KR76B
Retained
Accessory
Power
Relay 2
F2DR
15A
F1DR
15A
X2
10
X1
18
143
VT/YE
X275
2
243
VT/YE
143
VT/YE
X300
1
2
243
VT/YE
143
VT/YE
A
X80J
Accessory
Power
Receptacle -
Instrument
Panel 1
C
A
X80K
Accessory
Power
Receptacle -
Instrument
Panel 2
C
A
X80L
Accessory
Power
Receptacle -
Center
Console Rear
C
A
X80D
Accessory
Power
Receptacle -
Center
Console
Compartment
C
1050
BK
1050
BK
1050
BK
1050
BK
G210

LOC
DESC

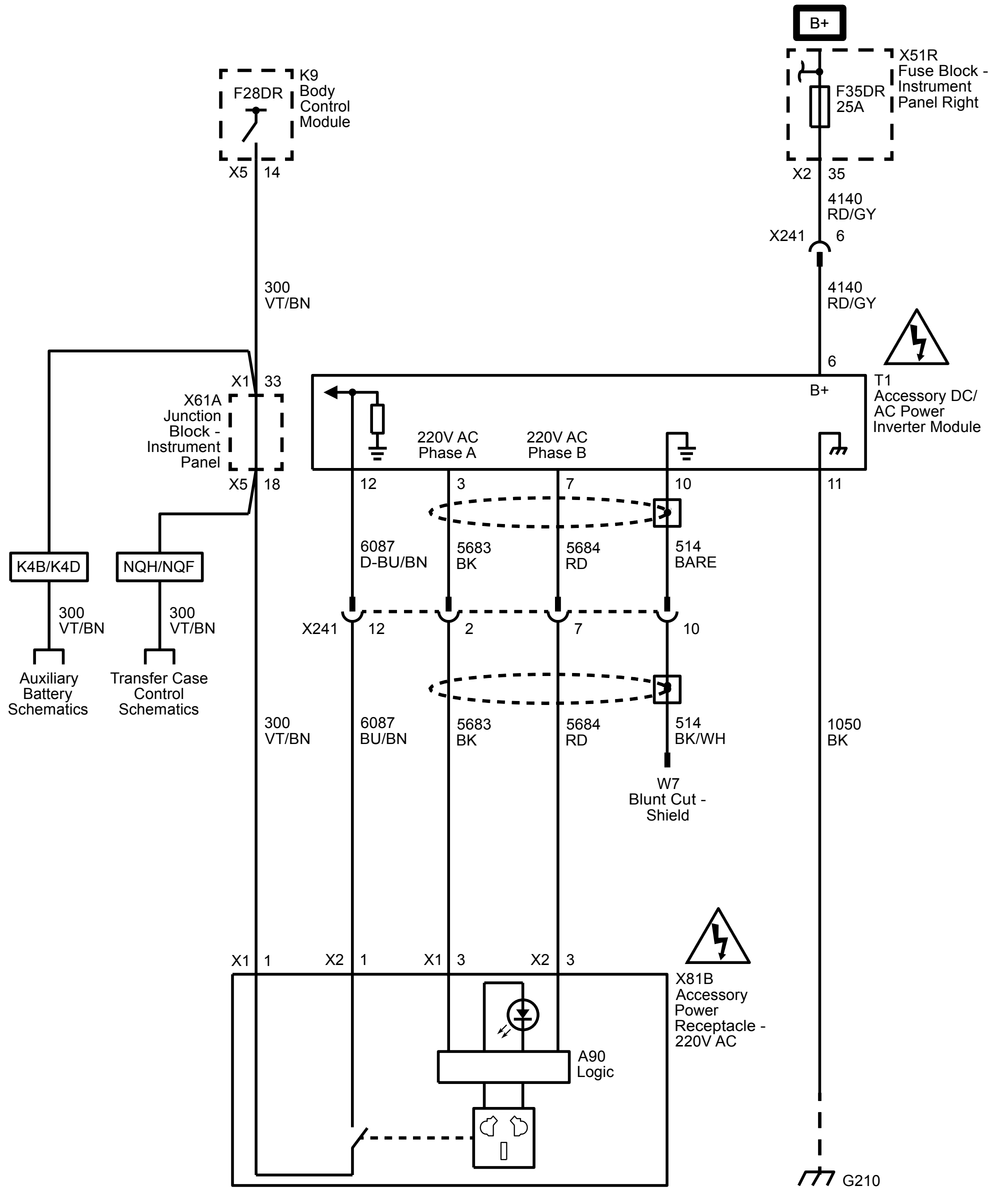
110-Volt AC Power Outlet (KI4)

LOC
DESC

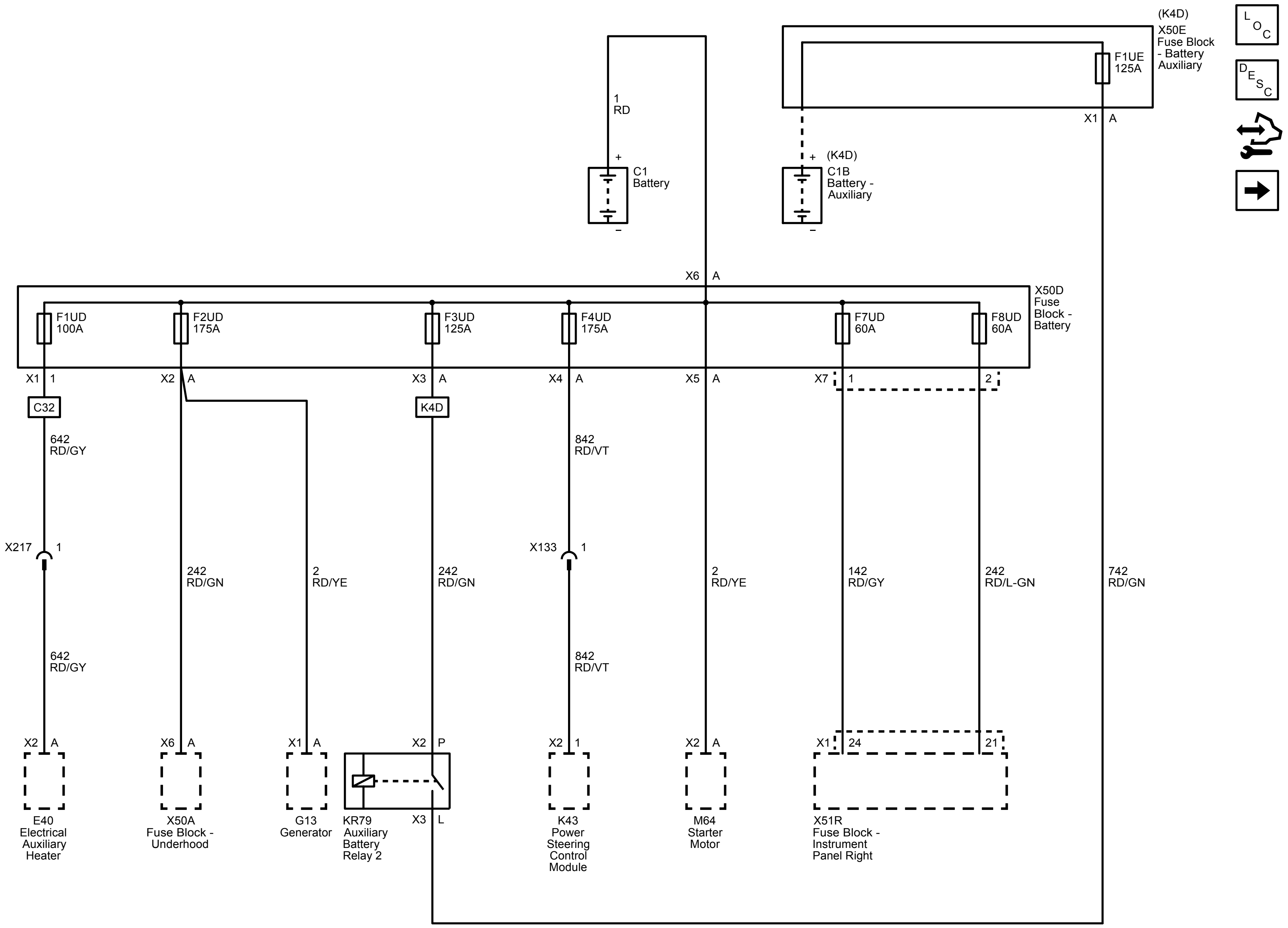

B+
X51R
Fuse Block -
Instrument
Panel Right
F35DR
25A
X2 35
4140
RD/GY
F28DR
K9
Body
Control
Module
X5 14
300
VT/BN
X1 33
X61A
Junction
Block -
Instrument
Panel
X5 18
K4B/K4D
NQH/NQF
300
VT/BN
Auxiliary
Battery
Schematics
300
VT/BN
Transfer Case
Control
Schematics
6
B+
T1
Accessory DC/
AC Power
Inverter Module
110V AC
Phase A
110V AC
Phase B
12
2
7
10
11
300
VT/BN
6087
BU/BN
5683
BK
5684
RD
514
BK/WH
1050
BK
W7
Blunt Cut -
Shield
X1 1
X2 1
X1 3
X2 3
X81
Accessory
Power
Receptacle -
110V AC
A90
Logic
G210

2015 CHEVROLET SILVERADO/GMC SIERRA
ELECTRICAL SECTION

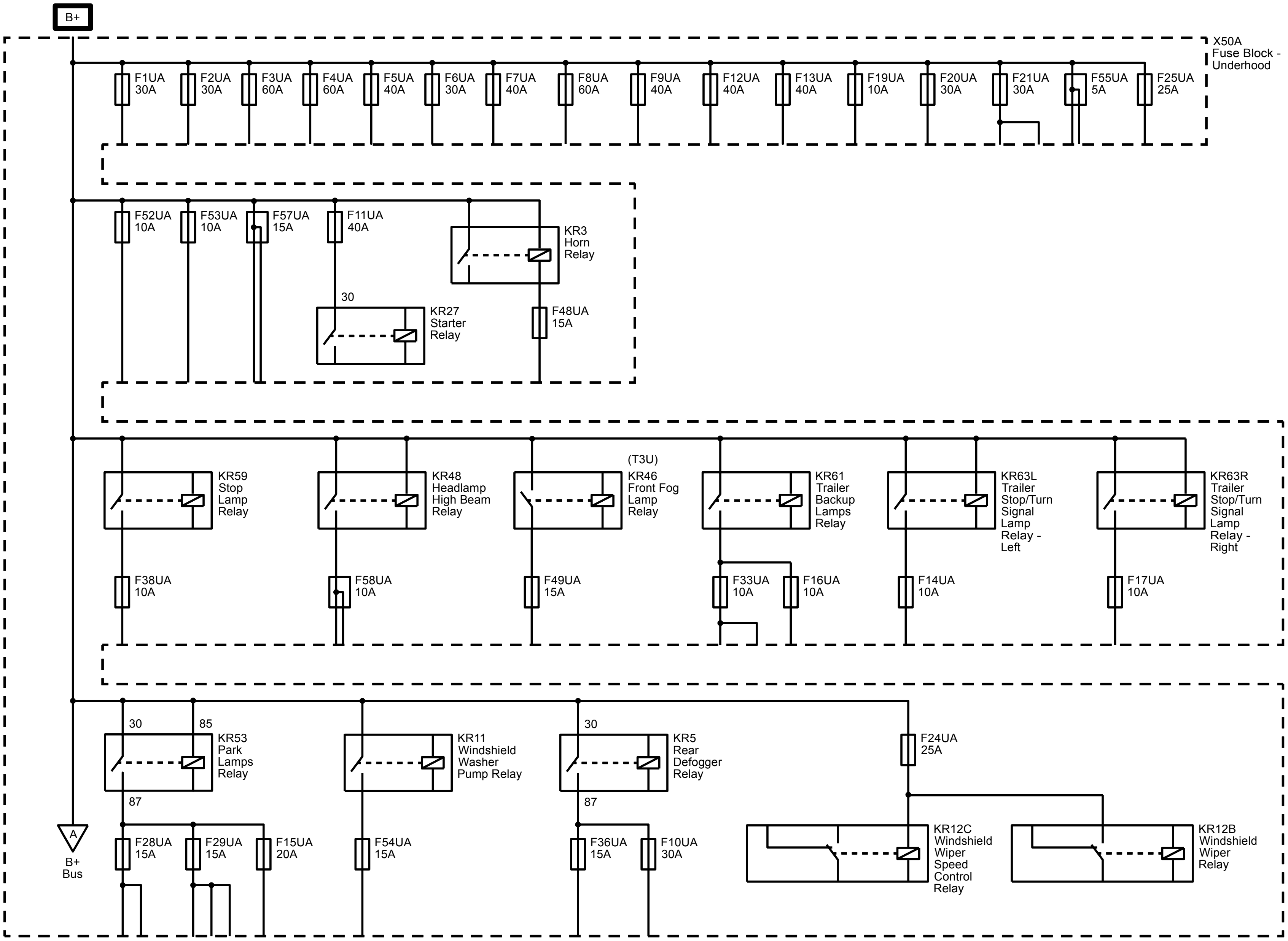
220-Volt AC Power Outlet (KI5)


B+
X51R
Fuse Block - Instrument Panel Right
F35DR
25A
X2
35
4140
RD/GY
X241
6
4140
RD/GY
6
B+
T1
Accessory DC/AC Power Inverter Module
F28DR
K9
Body Control Module
X5
14
300
VT/BN
X1
33
X61A
Junction Block - Instrument Panel
X5
18
K4B/K4D
NQH/NQF
300
VT/BN
300
VT/BN
Auxiliary Battery Schematics
Transfer Case Control Schematics
220V AC Phase A
220V AC Phase B
12
3
7
10
11
6087
D-BU/BN
5683
BK
5684
RD
514
BARE
X241
12
2
7
10
300
VT/BN
6087
BU/BN
5683
BK
5684
RD
514
BK/WH
W7
Blunt Cut - Shield
1050
BK
X1
1
X2
1
X1
3
X2
3
X81B
Accessory Power Receptacle - 220V AC
A90
Logic
G210

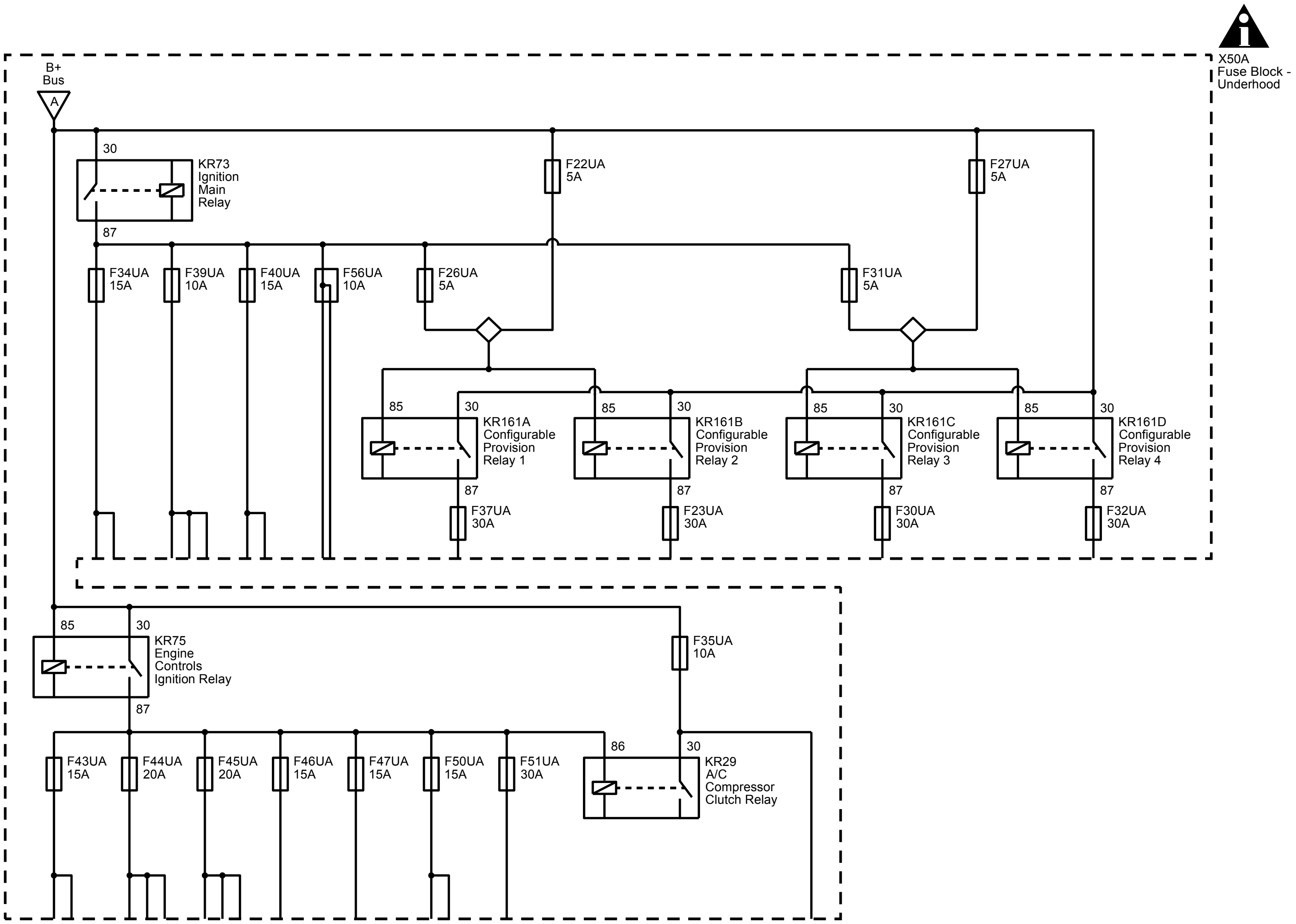
X50D Fuse Block - Battery and X50E Fuse Block - Battery Auxiliary (1500)


(K4D)
X50E
Fuse Block
- Battery
Auxiliary
F1UE
125A
X1
A
1
RD
+
C1
Battery
–
+
(K4D)
C1B
Battery -
Auxiliary
–
X6
A
X50D
Fuse
Block -
Battery
F1UD
100A
F2UD
175A
F3UD
125A
F4UD
175A
F7UD
60A
F8UD
60A
X1
1
X2
A
X3
A
X4
A
X5
A
X7
1
2
C32
K4D
642
RD/GY
842
RD/VT
X217
1
X133
1
242
RD/GN
2
RD/YE
242
RD/GN
2
RD/YE
142
RD/GY
242
RD/L-GN
742
RD/GN
642
RD/GY
842
RD/VT
X2
A
X6
A
X1
A
X2
P
X2
1
X2
A
X1
24
21
X3
L
E40
Electrical
Auxiliary
Heater
X50A
Fuse Block -
Underhood
G13
Generator
KR79
Auxiliary
Battery
Relay 2
K43
Power
Steering
Control
Module
M64
Starter
Motor
X51R
Fuse Block -
Instrument
Panel Right
LOC
DESC

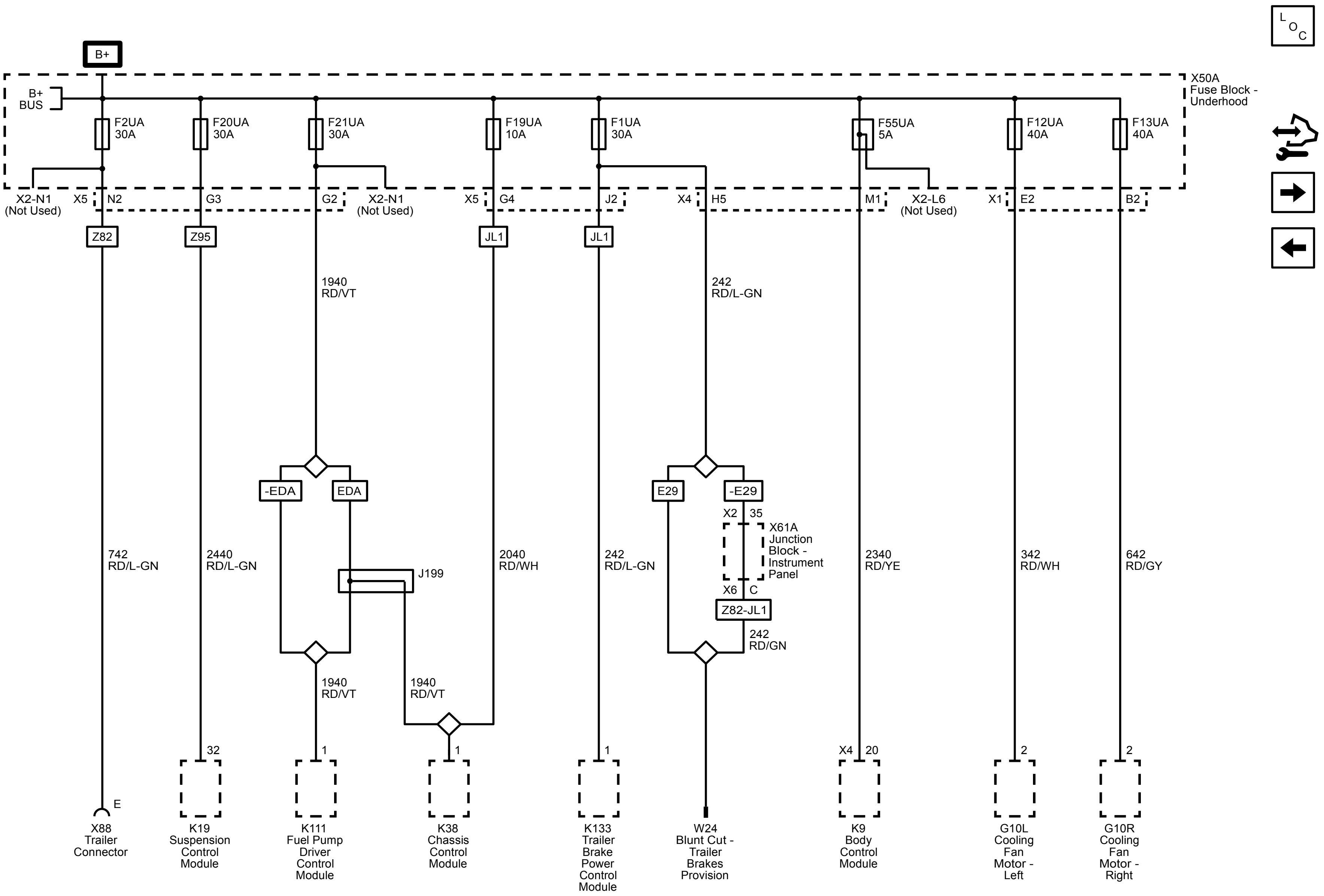
B+ Bus X50A Fuse Block - Underhood (1 of 2 - 1500)


B+
X50A
Fuse Block -
Underhood
F1UA 30A
F2UA 30A
F3UA 60A
F4UA 60A
F5UA 40A
F6UA 30A
F7UA 40A
F8UA 60A
F9UA 40A
F12UA 40A
F13UA 40A
F19UA 10A
F20UA 30A
F21UA 30A
F55UA 5A
F25UA 25A
F52UA 10A
F53UA 10A
F57UA 15A
F11UA 40A
KR3 Horn Relay
30
KR27 Starter Relay
F48UA 15A
KR59 Stop Lamp Relay
KR48 Headlamp High Beam Relay
(T3U)
KR46 Front Fog Lamp Relay
KR61 Trailer Backup Lamps Relay
KR63L Trailer Stop/Turn Signal Lamp Relay - Left
KR63R Trailer Stop/Turn Signal Lamp Relay - Right
F38UA 10A
F58UA 10A
F49UA 15A
F33UA 10A
F16UA 10A
F14UA 10A
F17UA 10A
30
85
KR53 Park Lamps Relay
87
KR11 Windshield Washer Pump Relay
30
KR5 Rear Defogger Relay
87
F24UA 25A
KR12C Windshield Wiper Speed Control Relay
KR12B Windshield Wiper Relay
A
B+ Bus
F28UA 15A
F29UA 15A
F15UA 20A
F54UA 15A
F36UA 15A
F10UA 30A

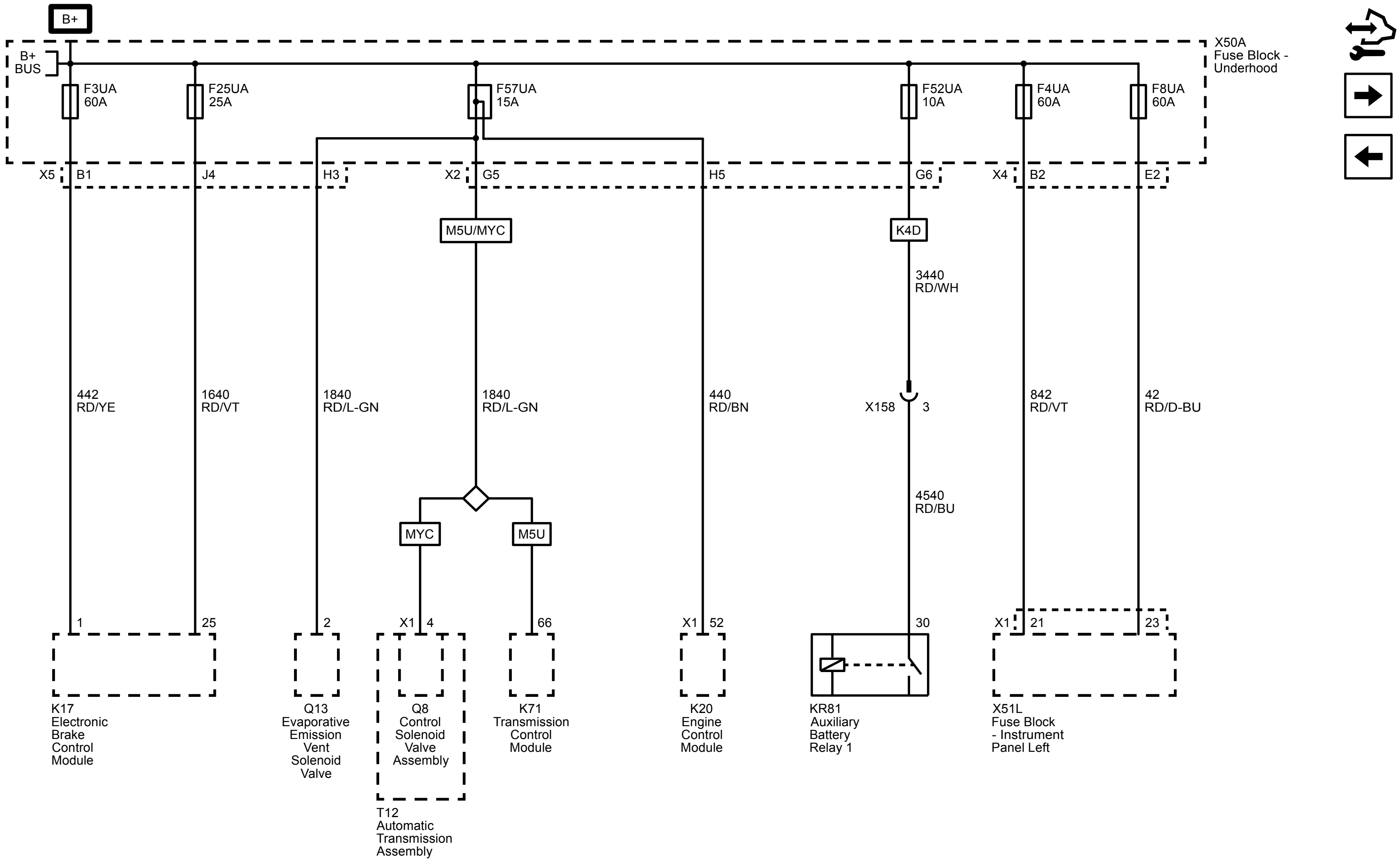
B+ Bus X50A Fuse Block - Underhood (2 of 2 - 1500)


X50A
Fuse Block -
Underhood
B+
Bus
A
30
KR73
Ignition
Main
Relay
87
F22UA
5A
F27UA
5A
F34UA
15A
F39UA
10A
F40UA
15A
F56UA
10A
F26UA
5A
F31UA
5A
85
30
KR161A
Configurable
Provision
Relay 1
87
F37UA
30A
85
30
KR161B
Configurable
Provision
Relay 2
87
F23UA
30A
85
30
KR161C
Configurable
Provision
Relay 3
87
F30UA
30A
85
30
KR161D
Configurable
Provision
Relay 4
87
F32UA
30A
85
30
KR75
Engine
Controls
Ignition Relay
87
F35UA
10A
F43UA
15A
F44UA
20A
F45UA
20A
F46UA
15A
F47UA
15A
F50UA
15A
F51UA
30A
86
30
KR29
A/C
Compressor
Clutch Relay

F1UA, F2UA, F12UA, F13UA, F19UA, F20UA, F21UA and F55UA Fuses (1500)

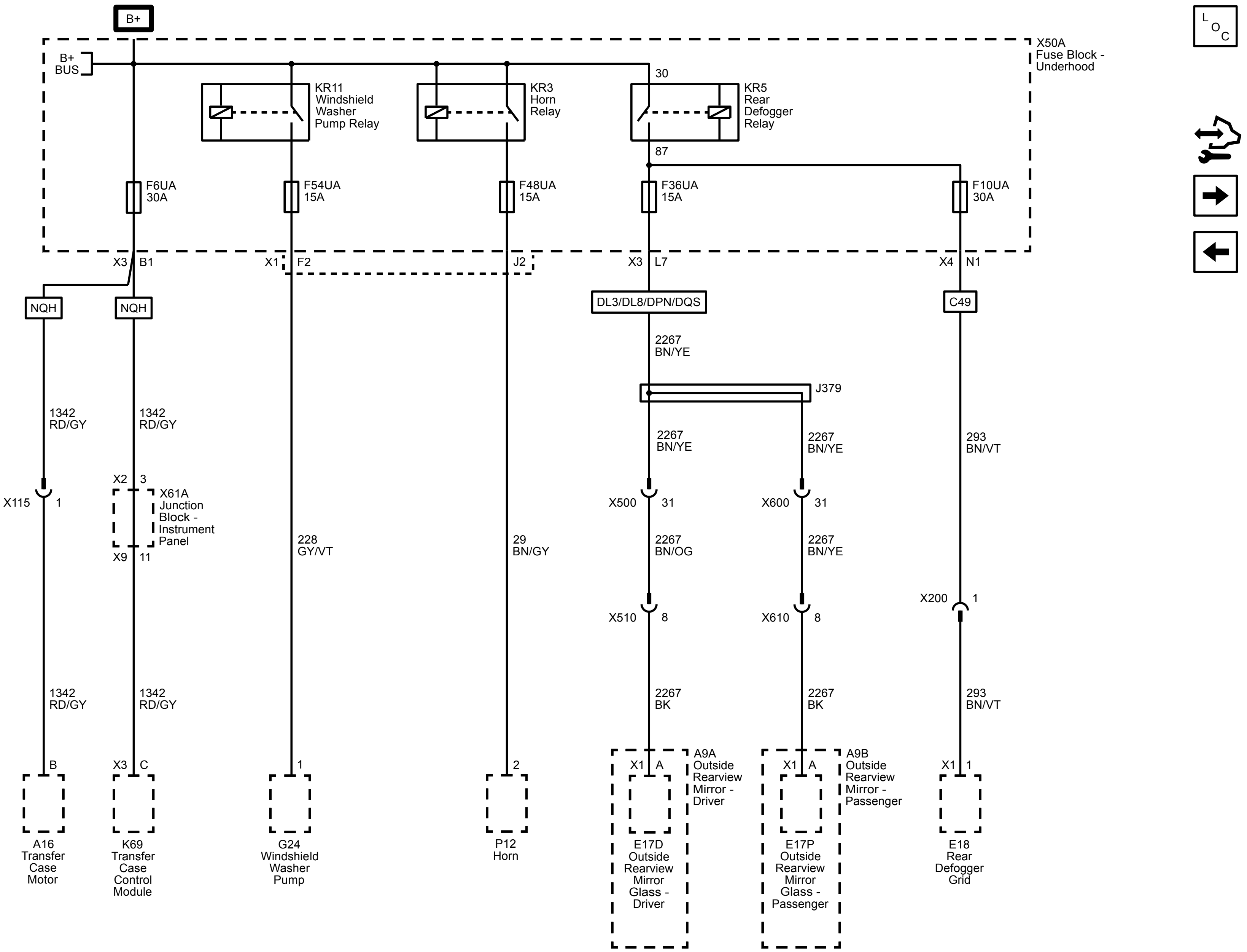

B+
B+ BUS
X50A Fuse Block - Underhood
F2UA 30A
F20UA 30A
F21UA 30A
F19UA 10A
F1UA 30A
F55UA 5A
F12UA 40A
F13UA 40A
X2-N1 (Not Used)
X5
N2
G3
G2
X2-N1 (Not Used)
X5
G4
J2
X4
H5
M1
X2-L6 (Not Used)
X1
E2
B2
Z82
Z95
JL1
JL1
1940 RD/VT
242 RD/L-GN
-EDA
EDA
E29
-E29
X2
35
X61A Junction Block - Instrument Panel
X6
C
Z82-JL1
J199
742 RD/L-GN
2440 RD/L-GN
2040 RD/WH
242 RD/L-GN
2340 RD/YE
342 RD/WH
642 RD/GY
242 RD/GN
1940 RD/VT
1940 RD/VT
32
1
1
1
X4
20
2
2
E
X88 Trailer Connector
K19 Suspension Control Module
K111 Fuel Pump Driver Control Module
K38 Chassis Control Module
K133 Trailer Brake Power Control Module
W24 Blunt Cut - Trailer Brakes Provision
K9 Body Control Module
G10L Cooling Fan Motor - Left
G10R Cooling Fan Motor - Right
L O C

F3UA, F4UA, F8UA, F25UA F52UA and F57UA Fuses (1500)

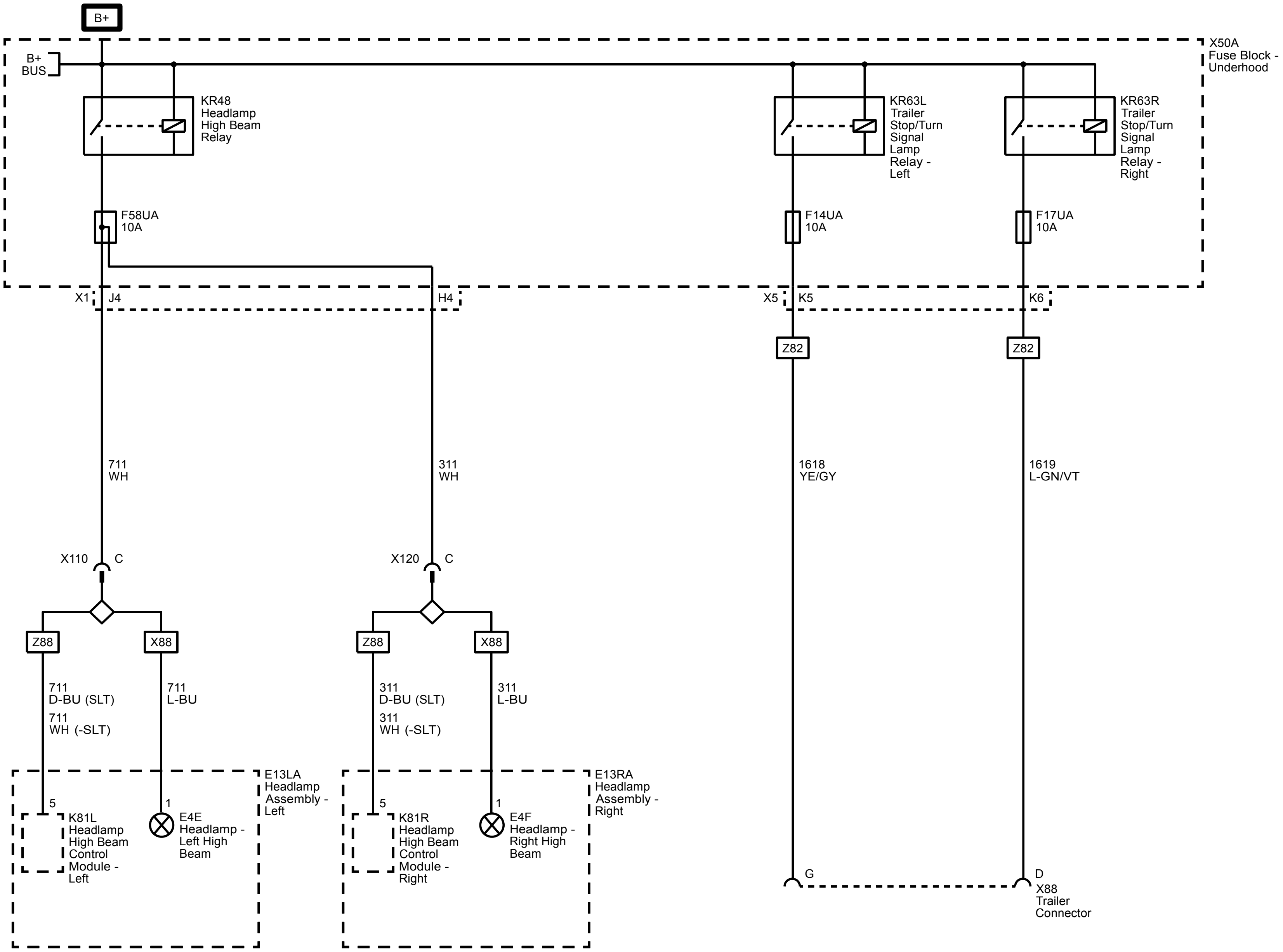


B+
B+ BUS
X50A Fuse Block - Underhood
F3UA 60A
F25UA 25A
F57UA 15A
F52UA 10A
F4UA 60A
F8UA 60A
X5 B1
J4
H3
X2 G5
H5
G6
X4 B2
E2
M5U/MYC
K4D
3440 RD/WH
442 RD/YE
1640 RD/VT
1840 RD/L-GN
1840 RD/L-GN
440 RD/BN
X158 3
842 RD/VT
42 RD/D-BU
4540 RD/BU
MYC
M5U
1
25
2
X1 4
66
X1 52
30
X1 21
23
K17 Electronic Brake Control Module
Q13 Evaporative Emission Vent Solenoid Valve
Q8 Control Solenoid Valve Assembly
K71 Transmission Control Module
K20 Engine Control Module
KR81 Auxiliary Battery Relay 1
X51L Fuse Block - Instrument Panel Left
T12 Automatic Transmission Assembly
L O C

F6UA, F10UA, F36UA, F48UA and F54UA Fuses (1500)

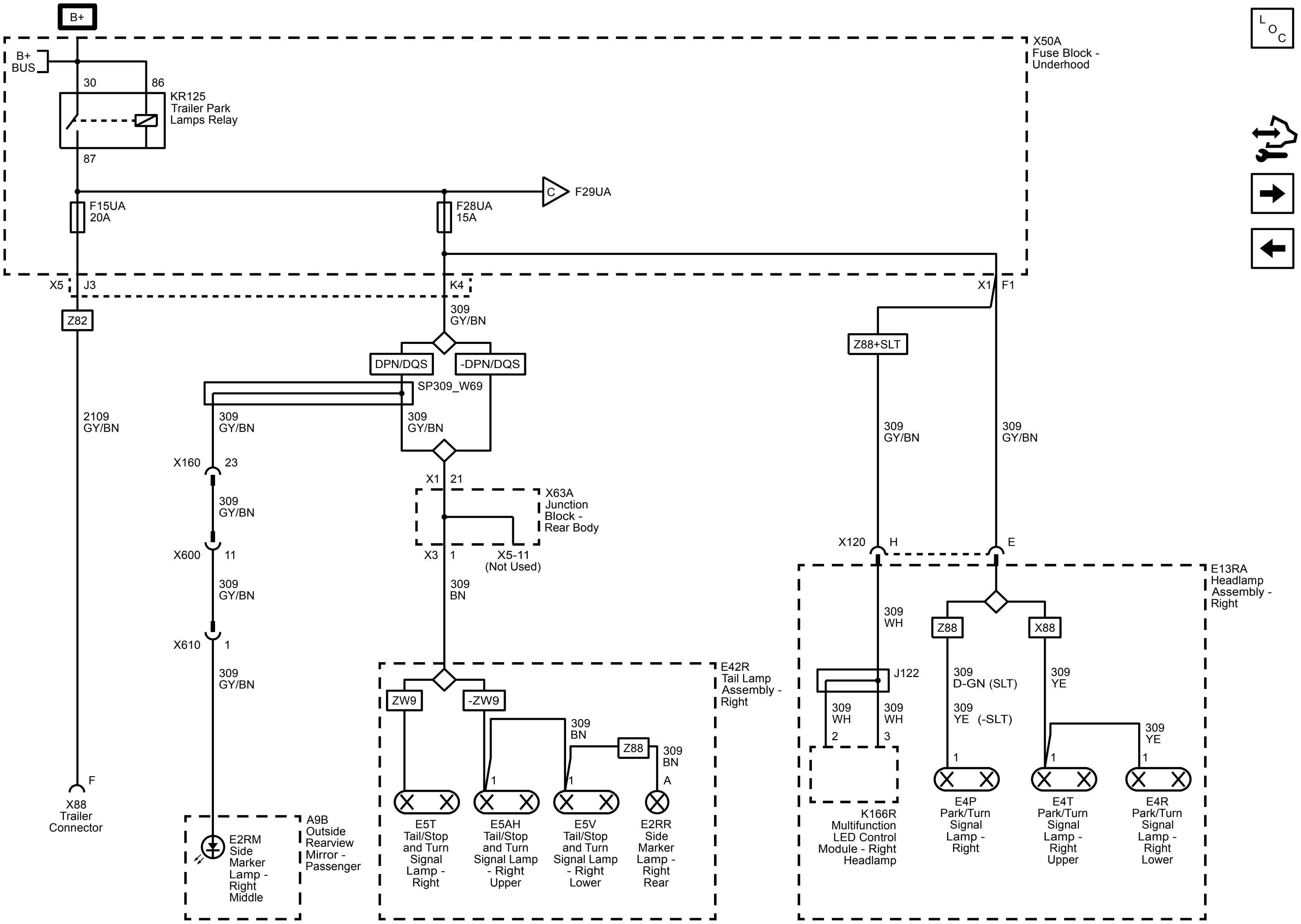

B+
B+ BUS
X50A Fuse Block - Underhood
KR11 Windshield Washer Pump Relay
KR3 Horn Relay
30
KR5 Rear Defogger Relay
87
F6UA 30A
F54UA 15A
F48UA 15A
F36UA 15A
F10UA 30A
X3 B1
X1 F2
J2
X3 L7
X4 N1
NQH
NQH
DL3/DL8/DPN/DQS
C49
2267 BN/YE
J379
1342 RD/GY
1342 RD/GY
2267 BN/YE
2267 BN/YE
293 BN/VT
X2 3
X61A Junction Block - Instrument Panel
X9 11
X115 1
X500 31
X600 31
228 GY/VT
29 BN/GY
2267 BN/OG
2267 BN/YE
X200 1
X510 8
X610 8
1342 RD/GY
1342 RD/GY
2267 BK
2267 BK
293 BN/VT
B
X3 C
1
2
X1 A
A9A Outside Rearview Mirror - Driver
X1 A
A9B Outside Rearview Mirror - Passenger
X1 1
A16 Transfer Case Motor
K69 Transfer Case Control Module
G24 Windshield Washer Pump
P12 Horn
E17D Outside Rearview Mirror Glass - Driver
E17P Outside Rearview Mirror Glass - Passenger
E18 Rear Defogger Grid
L O C

F14UA, F17UA and F58UA Fuses (1500)

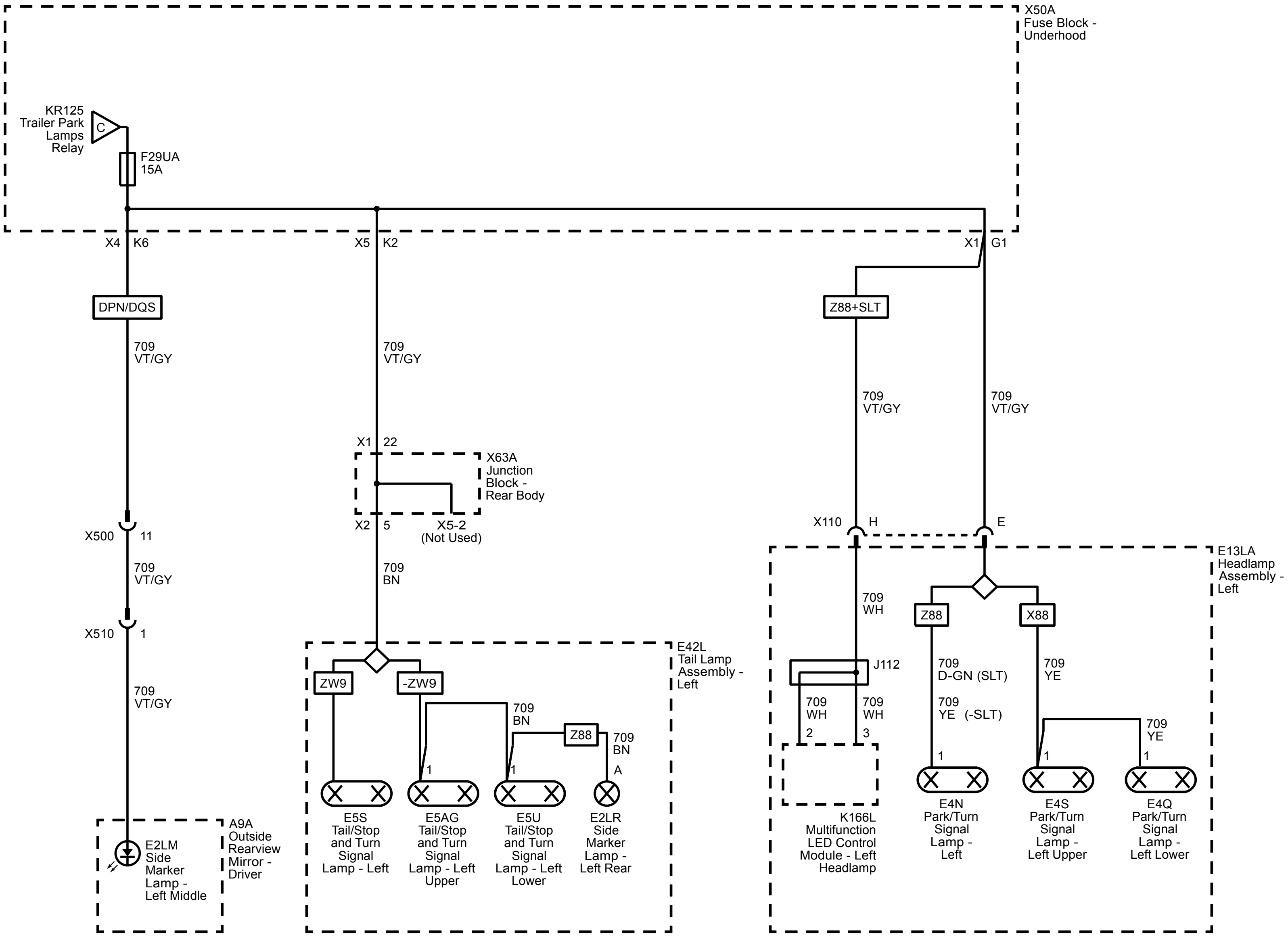

B+
B+ BUS
X50A Fuse Block - Underhood
KR48 Headlamp High Beam Relay
KR63L Trailer Stop/Turn Signal Lamp Relay - Left
KR63R Trailer Stop/Turn Signal Lamp Relay - Right
F58UA 10A
F14UA 10A
F17UA 10A
X1
J4
H4
X5
K5
K6
Z82
Z82
711 WH
311 WH
1618 YE/GY
1619 L-GN/VT
X110
C
X120
C
Z88
X88
Z88
X88
711 D-BU (SLT)
711 WH (-SLT)
711 L-BU
311 D-BU (SLT)
311 WH (-SLT)
311 L-BU
E13LA Headlamp Assembly - Left
5
1
K81L Headlamp High Beam Control Module - Left
E4E Headlamp - Left High Beam
E13RA Headlamp Assembly - Right
5
1
K81R Headlamp High Beam Control Module - Right
E4F Headlamp - Right High Beam
G
D
X88 Trailer Connector

L O C

F15UA and F28UA Fuses (1500)

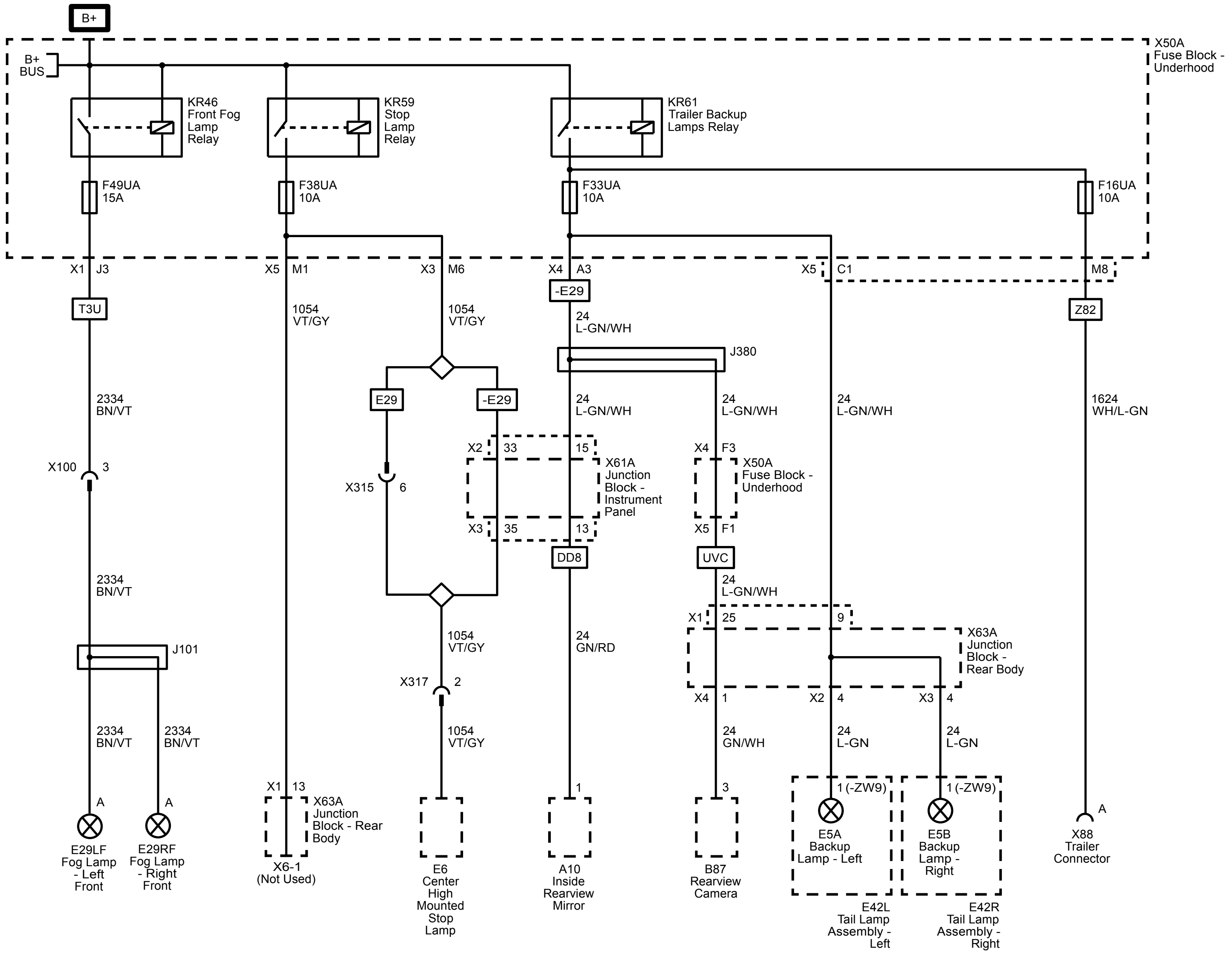

B+
B+ BUS
30
86
KR125 Trailer Park Lamps Relay
87
X50A Fuse Block - Underhood
F15UA 20A
F28UA 15A
C
F29UA
X5
J3
K4
X1
F1
Z82
309 GY/BN
DPN/DQS
-DPN/DQS
SP309_W69
Z88+SLT
2109 GY/BN
309 GY/BN
309 GY/BN
309 GY/BN
309 GY/BN
X160
23
X1
21
X63A Junction Block - Rear Body
309 GY/BN
X600
11
X3
1
X5-11 (Not Used)
X120
H
E
309 GY/BN
309 BN
E13RA Headlamp Assembly - Right
309 WH
Z88
X88
X610
1
309 GY/BN
E42R Tail Lamp Assembly - Right
ZW9
-ZW9
J122
309 D-GN (SLT)
309 YE
309 BN
Z88
309 BN
309 WH
309 WH
309 YE (-SLT)
309 YE
2
3
1
1
1
1
1
A
F
X88 Trailer Connector
A9B Outside Rearview Mirror - Passenger
E2RM Side Marker Lamp - Right Middle
E5T Tail/Stop and Turn Signal Lamp - Right
E5AH Tail/Stop and Turn Signal Lamp - Right Upper
E5V Tail/Stop and Turn Signal Lamp - Right Lower
E2RR Side Marker Lamp - Right Rear
K166R Multifunction LED Control Module - Right Headlamp
E4P Park/Turn Signal Lamp - Right
E4T Park/Turn Signal Lamp - Right Upper
E4R Park/Turn Signal Lamp - Right Lower

F29UA Fuse (1500)

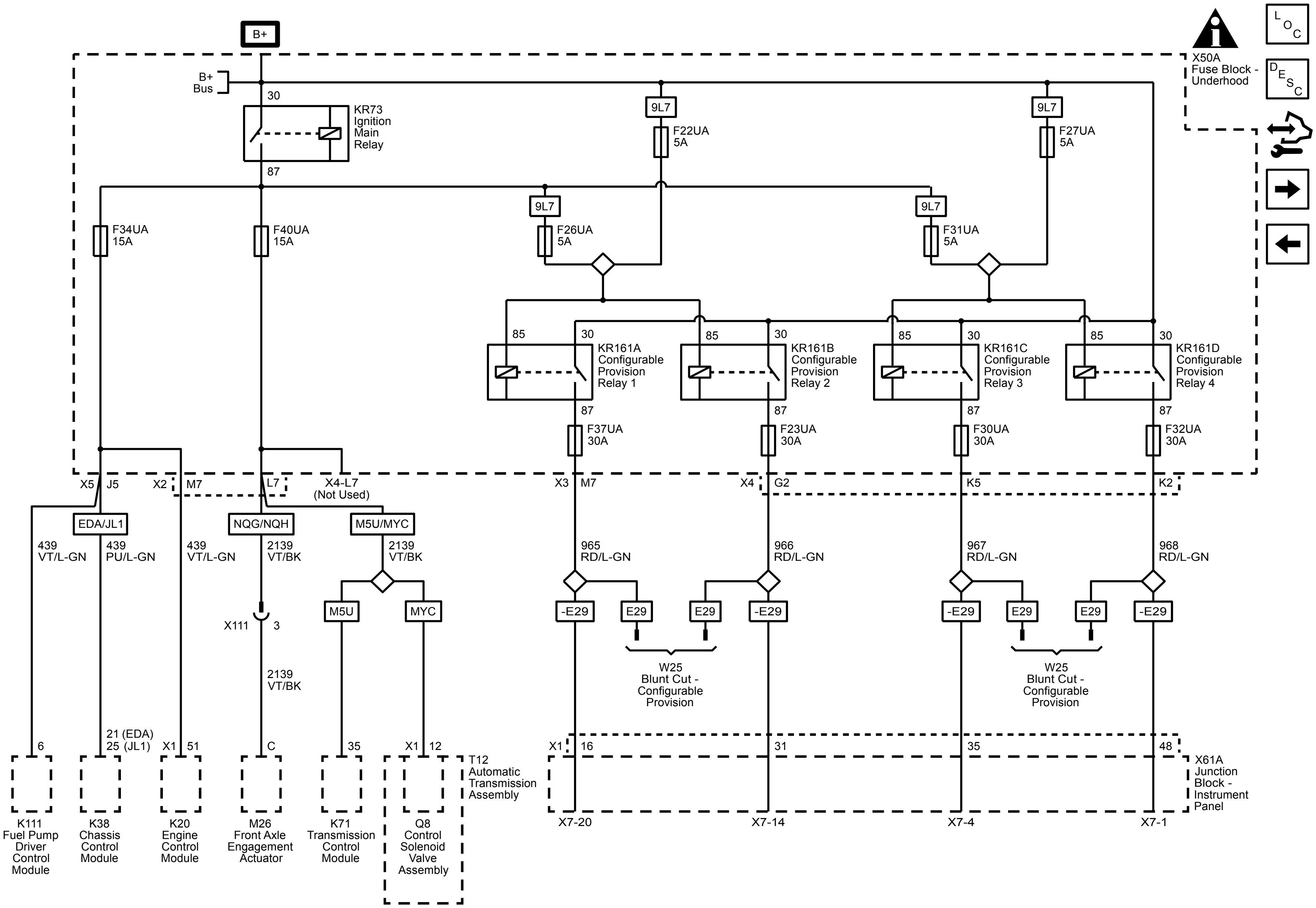


X50A
Fuse Block -
Underhood
KR125
Trailer Park
Lamps
Relay
C
F29UA
15A
X4
K6
X5
K2
X1
G1
DPN/DQS
709
VT/GY
709
VT/GY
Z88+SLT
709
VT/GY
709
VT/GY
X1
22
X63A
Junction
Block -
Rear Body
X2
5
X5-2
(Not Used)
X500
11
709
VT/GY
X510
1
709
VT/GY
709
BN
E42L
Tail Lamp
Assembly -
Left
ZW9
-ZW9
709
BN
Z88
709
BN
1
1
A
E5S
Tail/Stop
and Turn
Signal
Lamp - Left
E5AG
Tail/Stop
and Turn
Signal
Lamp - Left
Upper
E5U
Tail/Stop
and Turn
Signal
Lamp - Left
Lower
E2LR
Side
Marker
Lamp -
Left Rear
A9A
Outside
Rearview
Mirror -
Driver
E2LM
Side
Marker
Lamp -
Left Middle
X110
H
E
E13LA
Headlamp
Assembly -
Left
709
WH
Z88
X88
J112
709
D-GN (SLT)
709
YE (-SLT)
709
YE
709
WH
709
WH
2
3
709
YE
1
1
1
K166L
Multifunction
LED Control
Module - Left
Headlamp
E4N
Park/Turn
Signal
Lamp -
Left
E4S
Park/Turn
Signal
Lamp -
Left Upper
E4Q
Park/Turn
Signal
Lamp -
Left Lower

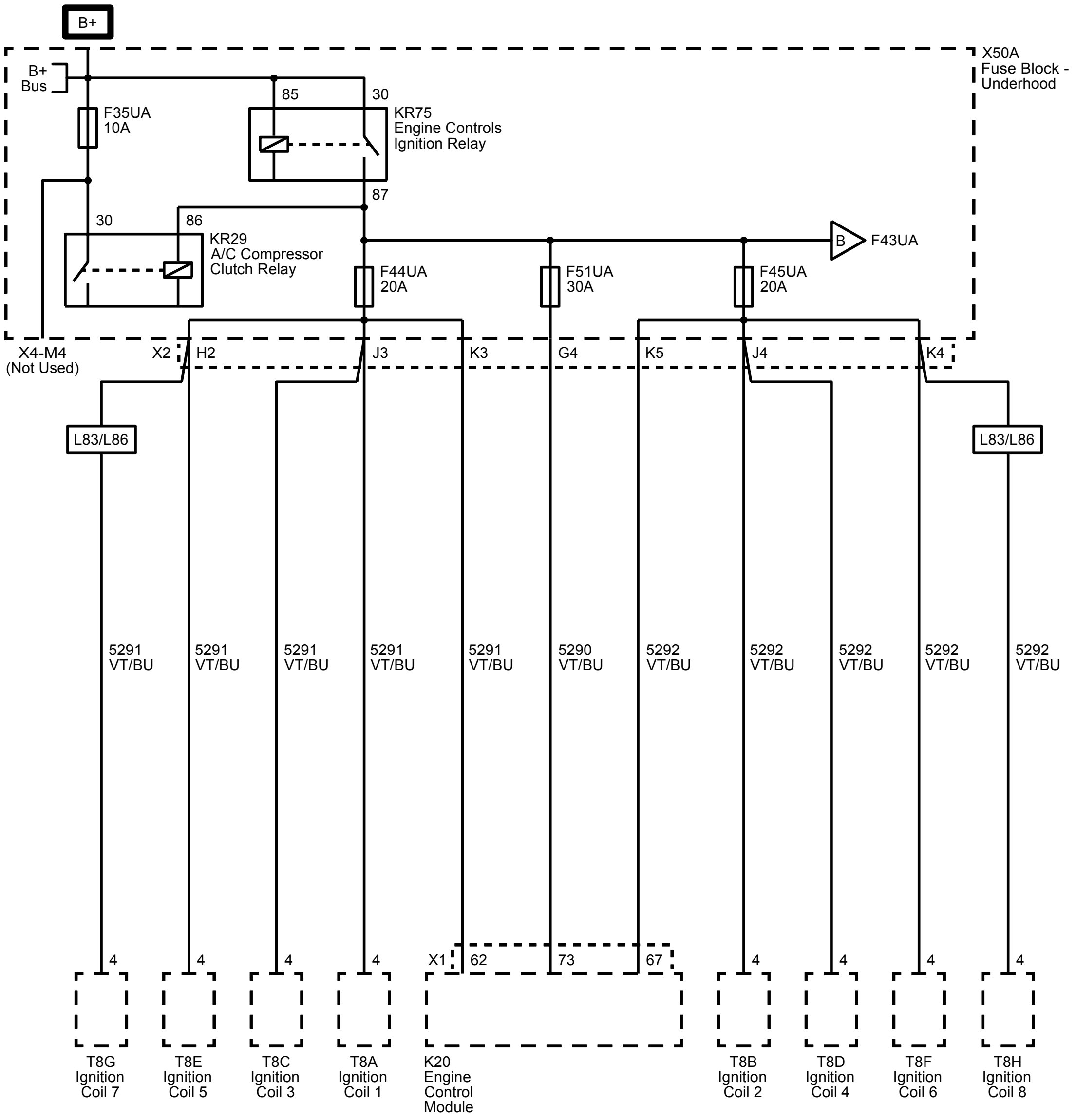
F16UA, F33UA, F38UA and F49UA Fuses (1500)


B+
B+ BUS
X50A Fuse Block - Underhood
KR46 Front Fog Lamp Relay
KR59 Stop Lamp Relay
KR61 Trailer Backup Lamps Relay
F49UA 15A
F38UA 10A
F33UA 10A
F16UA 10A
X1 J3
X5 M1
X3 M6
X4 A3
X5 C1
M8
T3U
-E29
Z82
1054 VT/GY
1054 VT/GY
24 L-GN/WH
J380
E29
-E29
2334 BN/VT
24 L-GN/WH
24 L-GN/WH
24 L-GN/WH
1624 WH/L-GN
X2 33
15
X61A Junction Block - Instrument Panel
X4 F3
X50A Fuse Block - Underhood
X100 3
X315 6
X3 35
13
X5 F1
DD8
UVC
2334 BN/VT
24 L-GN/WH
X1 25
9
X63A Junction Block - Rear Body
J101
1054 VT/GY
24 GN/RD
X317 2
X4 1
X2 4
X3 4
2334 BN/VT
2334 BN/VT
1054 VT/GY
24 GN/WH
24 L-GN
24 L-GN
X1 13
X63A Junction Block - Rear Body
1
3
1 (-ZW9)
1 (-ZW9)
A
A
A
E29LF Fog Lamp - Left Front
E29RF Fog Lamp - Right Front
X6-1 (Not Used)
E6 Center High Mounted Stop Lamp
A10 Inside Rearview Mirror
B87 Rearview Camera
E5A Backup Lamp - Left
E5B Backup Lamp - Right
X88 Trailer Connector
E42L Tail Lamp Assembly - Left
E42R Tail Lamp Assembly - Right

F22UA, F23UA, F26UA, F27UA, F30UA, F31UA, F32UA, F34UA, F37UA and F40UA Fuses (1500)

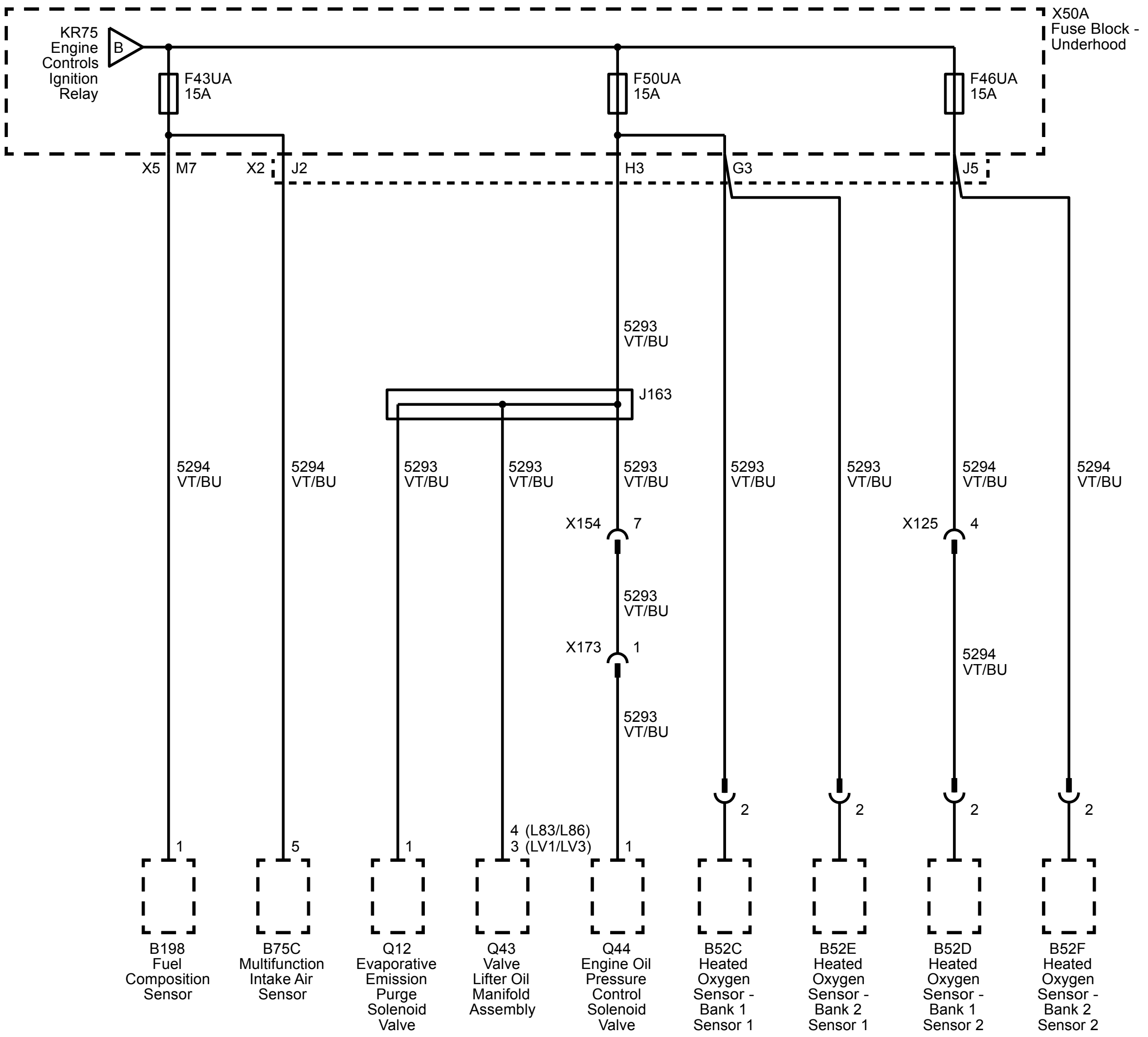

B+
B+ Bus
30
KR73 Ignition Main Relay
87
9L7
F22UA 5A
9L7
F27UA 5A
X50A Fuse Block - Underhood
L O C
D E S C
F34UA 15A
F40UA 15A
9L7
F26UA 5A
9L7
F31UA 5A
85
30
KR161A Configurable Provision Relay 1
85
30
KR161B Configurable Provision Relay 2
85
30
KR161C Configurable Provision Relay 3
85
30
KR161D Configurable Provision Relay 4
87
F37UA 30A
87
F23UA 30A
87
F30UA 30A
87
F32UA 30A
X5
J5
X2
M7
L7
X4-L7 (Not Used)
X3
M7
X4
G2
K5
K2
EDA/JL1
NQG/NQH
M5U/MYC
439 VT/L-GN
439 PU/L-GN
439 VT/L-GN
2139 VT/BK
2139 VT/BK
965 RD/L-GN
966 RD/L-GN
967 RD/L-GN
968 RD/L-GN
M5U
MYC
-E29
E29
E29
-E29
-E29
E29
E29
-E29
X111
3
2139 VT/BK
W25 Blunt Cut - Configurable Provision
W25 Blunt Cut - Configurable Provision
6
21 (EDA)
25 (JL1)
X1
51
C
35
X1
12
T12 Automatic Transmission Assembly
X1
16
31
35
48
X61A Junction Block - Instrument Panel
K111 Fuel Pump Driver Control Module
K38 Chassis Control Module
K20 Engine Control Module
M26 Front Axle Engagement Actuator
K71 Transmission Control Module
Q8 Control Solenoid Valve Assembly
X7-20
X7-14
X7-4
X7-1

F35UA, F44UA, F45UA and F51UA Fuses (1500)

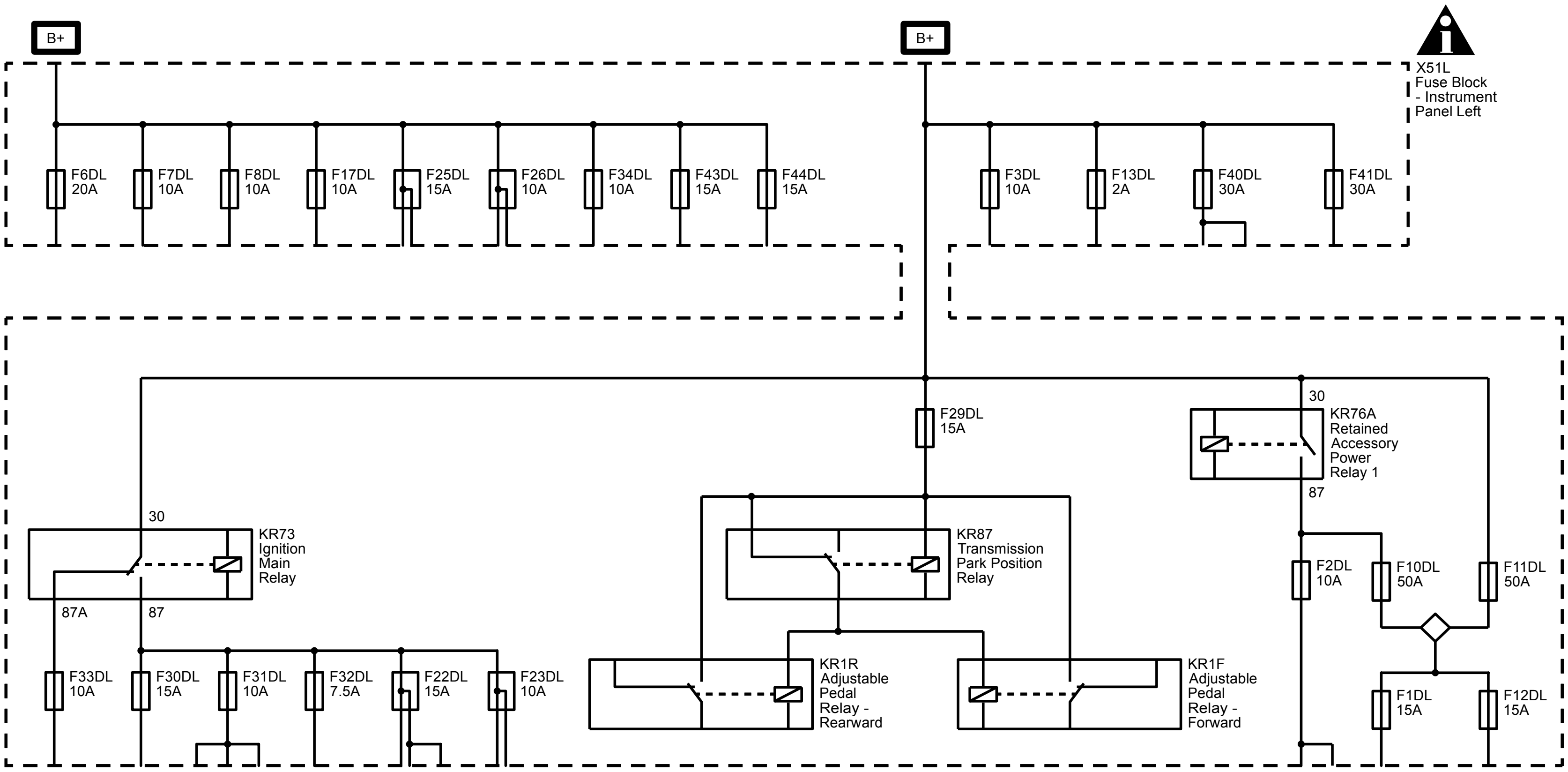

B+
B+ Bus
X50A Fuse Block - Underhood
F35UA 10A
85
30
KR75 Engine Controls Ignition Relay
87
30
86
KR29 A/C Compressor Clutch Relay
B
F43UA
F44UA 20A
F51UA 30A
F45UA 20A
X4-M4 (Not Used)
X2
H2
J3
K3
G4
K5
J4
K4
L83/L86
L83/L86
5291 VT/BU
5291 VT/BU
5291 VT/BU
5291 VT/BU
5291 VT/BU
5290 VT/BU
5292 VT/BU
5292 VT/BU
5292 VT/BU
5292 VT/BU
5292 VT/BU
4
4
4
4
X1
62
73
67
4
4
4
4
T8G Ignition Coil 7
T8E Ignition Coil 5
T8C Ignition Coil 3
T8A Ignition Coil 1
K20 Engine Control Module
T8B Ignition Coil 2
T8D Ignition Coil 4
T8F Ignition Coil 6
T8H Ignition Coil 8

L
O
C

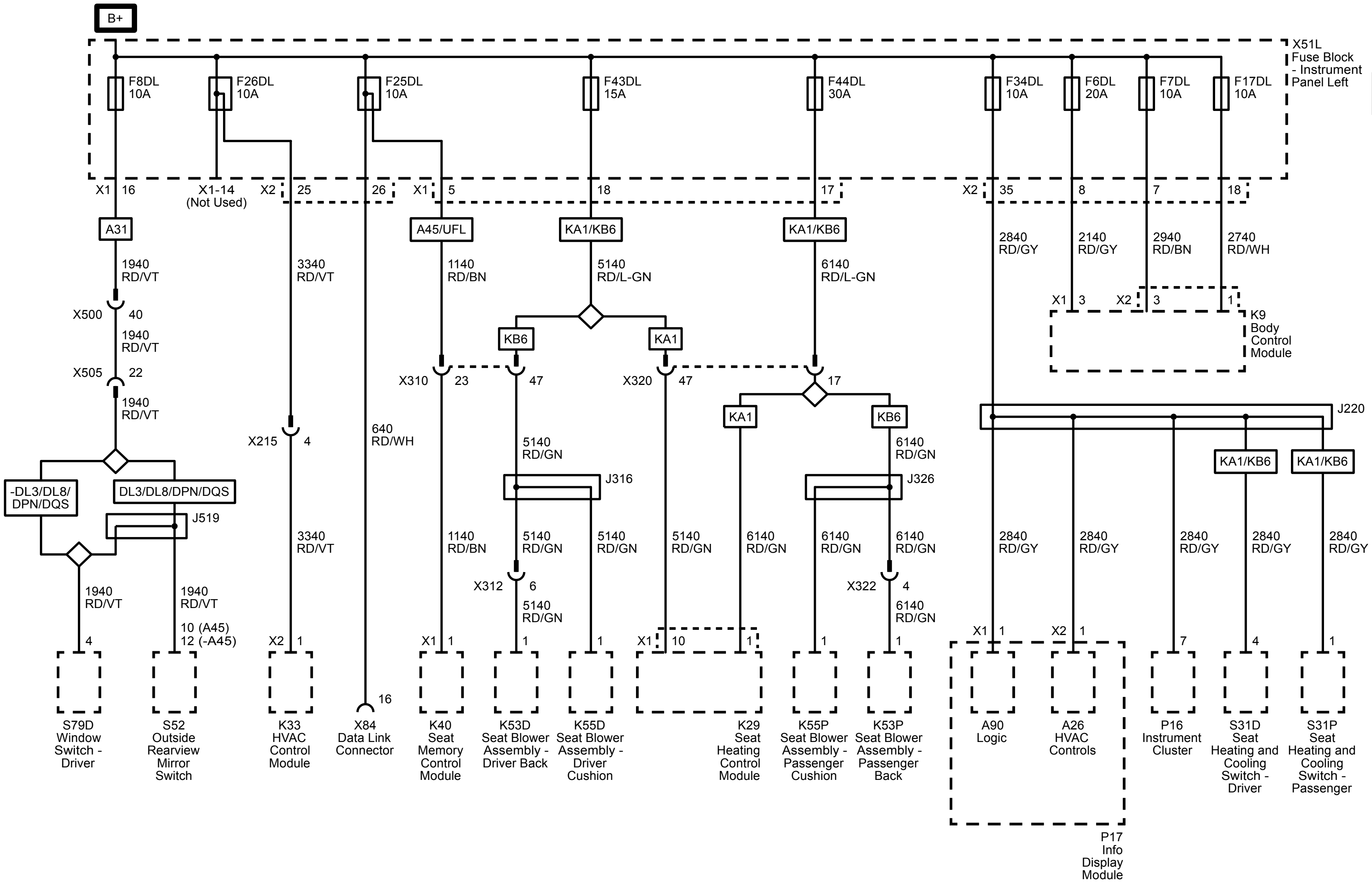
F43UA, F46UA and F50UA Fuses (1500)


X50A
Fuse Block - Underhood
KR75 Engine Controls Ignition Relay
B
F43UA 15A
F50UA 15A
F46UA 15A
X5
M7
X2
J2
H3
G3
J5
5293 VT/BU
J163
5294 VT/BU
5294 VT/BU
5293 VT/BU
5293 VT/BU
5293 VT/BU
5293 VT/BU
5293 VT/BU
5294 VT/BU
5294 VT/BU
X154
7
5293 VT/BU
X173
1
5293 VT/BU
X125
4
5294 VT/BU
2
2
2
2
1
5
1
4 (L83/L86)
3 (LV1/LV3)
1
B198 Fuel Composition Sensor
B75C Multifunction Intake Air Sensor
Q12 Evaporative Emission Purge Solenoid Valve
Q43 Valve Lifter Oil Manifold Assembly
Q44 Engine Oil Pressure Control Solenoid Valve
B52C Heated Oxygen Sensor - Bank 1 Sensor 1
B52E Heated Oxygen Sensor - Bank 2 Sensor 1
B52D Heated Oxygen Sensor - Bank 1 Sensor 2
B52F Heated Oxygen Sensor - Bank 2 Sensor 2

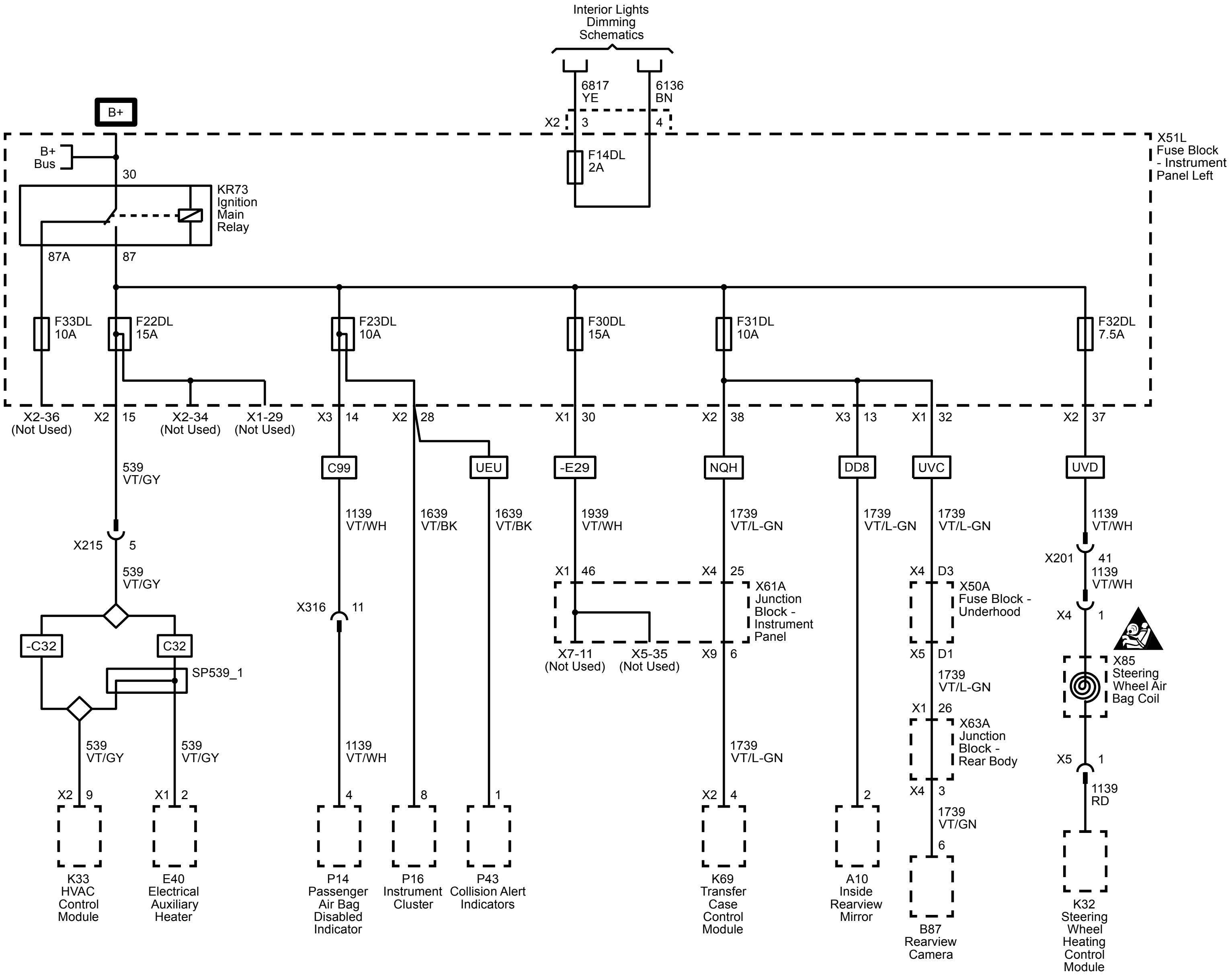
B+ Bus X51L Fuse Block - Instrument Panel Left (1500)


B+
B+
X51L Fuse Block - Instrument Panel Left
F6DL 20A
F7DL 10A
F8DL 10A
F17DL 10A
F25DL 15A
F26DL 10A
F34DL 10A
F43DL 15A
F44DL 15A
F3DL 10A
F13DL 2A
F40DL 30A
F41DL 30A
F29DL 15A
30
KR76A Retained Accessory Power Relay 1
87
30
KR73 Ignition Main Relay
87A
87
KR87 Transmission Park Position Relay
F2DL 10A
F10DL 50A
F11DL 50A
F33DL 10A
F30DL 15A
F31DL 10A
F32DL 7.5A
F22DL 15A
F23DL 10A
KR1R Adjustable Pedal Relay - Rearward
KR1F Adjustable Pedal Relay - Forward
F1DL 15A
F12DL 15A

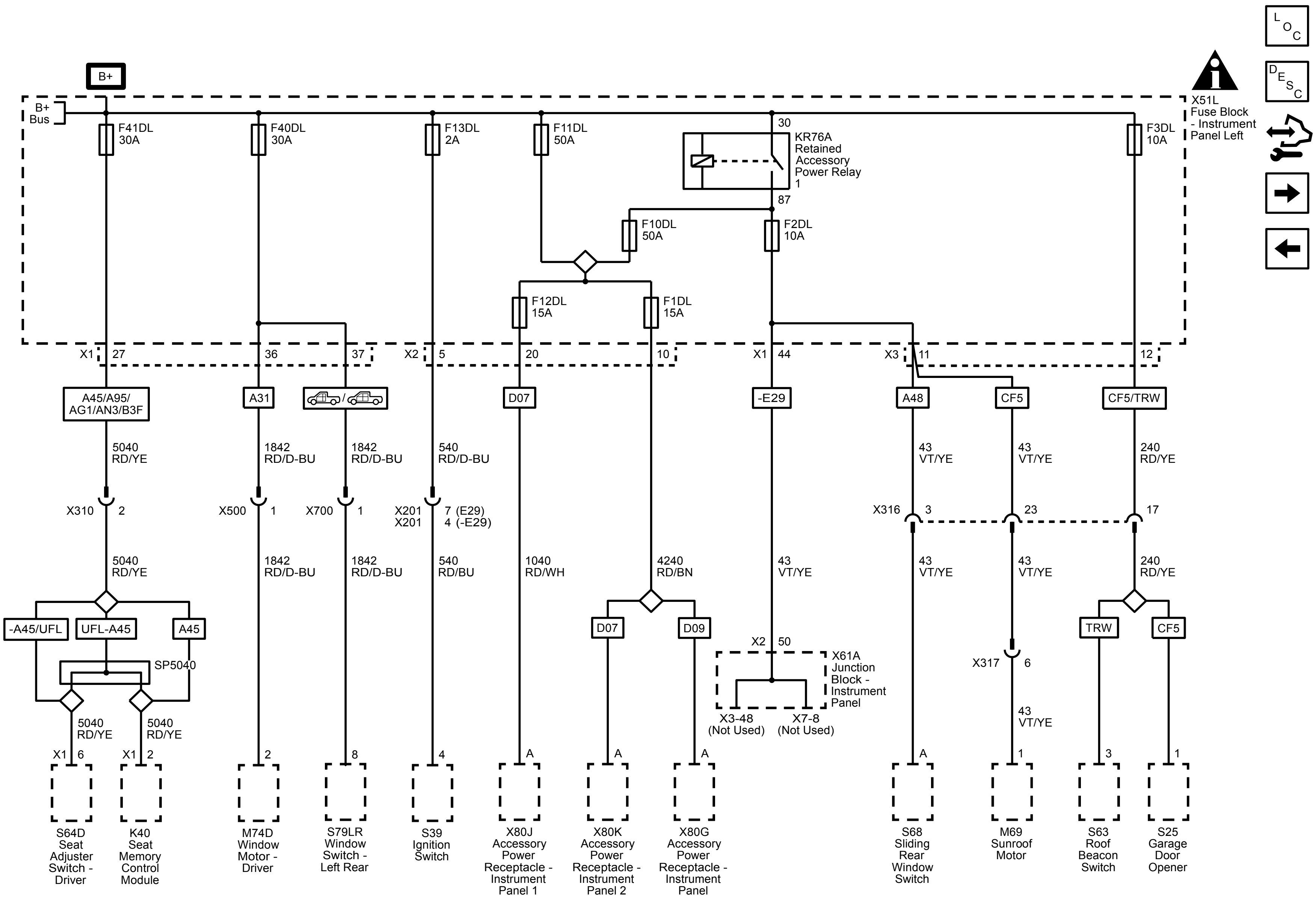
F6DL, F7DL, F8DL, F17DL, F25DL, F26DL, F34DL, F43DL and F44DL Fuses (1500)


B+
X51L Fuse Block - Instrument Panel Left
F8DL 10A
F26DL 10A
F25DL 10A
F43DL 15A
F44DL 30A
F34DL 10A
F6DL 20A
F7DL 10A
F17DL 10A
X1 16
X1-14 (Not Used)
X2 25
26
X1 5
18
17
X2 35
8
7
18
A31
1940 RD/VT
X500 40
1940 RD/VT
X505 22
1940 RD/VT
-DL3/DL8/ DPN/DQS
DL3/DL8/DPN/DQS
J519
1940 RD/VT
1940 RD/VT
4
10 (A45)
12 (-A45)
S79D Window Switch - Driver
S52 Outside Rearview Mirror Switch
3340 RD/VT
X215 4
3340 RD/VT
X2 1
K33 HVAC Control Module
640 RD/WH
16
X84 Data Link Connector
A45/UFL
1140 RD/BN
X310 23
1140 RD/BN
X1 1
K40 Seat Memory Control Module
KA1/KB6
5140 RD/L-GN
KB6
KA1
47
5140 RD/GN
J316
5140 RD/GN
X312 6
5140 RD/GN
1
K53D Seat Blower Assembly - Driver Back
5140 RD/GN
1
K55D Seat Blower Assembly - Driver Cushion
X320 47
5140 RD/GN
X1 10
1
K29 Seat Heating Control Module
KA1/KB6
6140 RD/L-GN
17
KA1
KB6
6140 RD/GN
6140 RD/GN
J326
6140 RD/GN
1
K55P Seat Blower Assembly - Passenger Cushion
6140 RD/GN
X322 4
6140 RD/GN
1
K53P Seat Blower Assembly - Passenger Back
2840 RD/GY
2140 RD/GY
2940 RD/BN
2740 RD/WH
X1 3
X2 3
1
K9 Body Control Module
J220
KA1/KB6
KA1/KB6
2840 RD/GY
2840 RD/GY
2840 RD/GY
2840 RD/GY
2840 RD/GY
X1 1
X2 1
7
4
1
A90 Logic
A26 HVAC Controls
P17 Info Display Module
P16 Instrument Cluster
S31D Seat Heating and Cooling Switch - Driver
S31P Seat Heating and Cooling Switch - Passenger

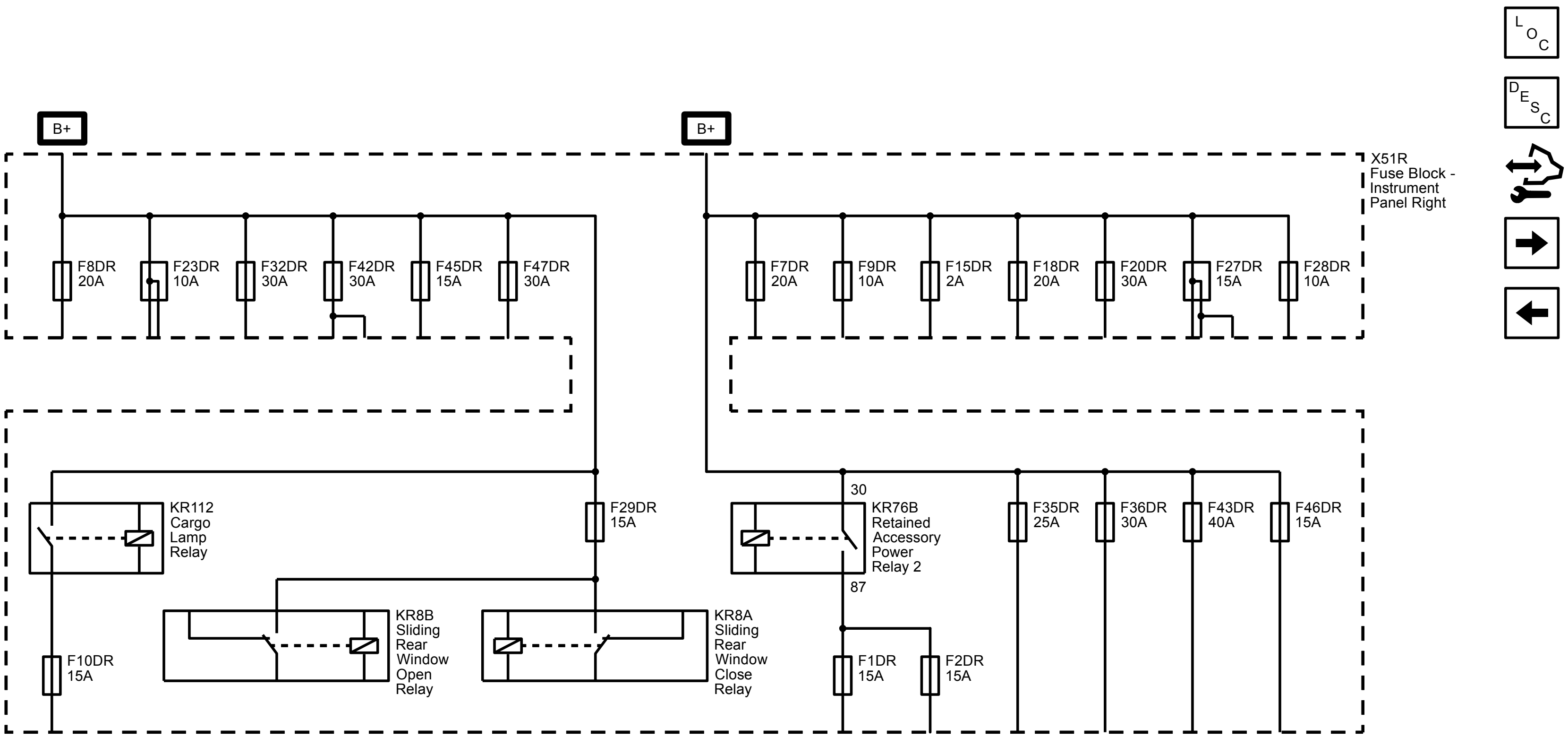
F14DL, F22DL, F23DL, F30DL, F31DL, F32DL and F33DL Fuses (1500)


Interior Lights
Dimming
Schematics
6817
YE
6136
BN
X2
3
4
F14DL
2A
B+
X51L
Fuse Block
- Instrument
Panel Left
B+
Bus
30
KR73
Ignition
Main
Relay
87A
87
F33DL
10A
F22DL
15A
F23DL
10A
F30DL
15A
F31DL
10A
F32DL
7.5A
X2-36
(Not Used)
X2
15
X2-34
(Not Used)
X1-29
(Not Used)
X3
14
X2
28
X1
30
X2
38
X3
13
X1
32
X2
37
C99
UEU
-E29
NQH
DD8
UVC
UVD
539
VT/GY
1139
VT/WH
1639
VT/BK
1639
VT/BK
1939
VT/WH
1739
VT/L-GN
1739
VT/L-GN
1739
VT/L-GN
1139
VT/WH
X215
5
539
VT/GY
X316
11
X1
46
X4
25
X61A
Junction
Block -
Instrument
Panel
X4
D3
X50A
Fuse Block -
Underhood
X201
41
1139
VT/WH
X4
1
-C32
C32
SP539_1
X7-11
(Not Used)
X5-35
(Not Used)
X9
6
X5
D1
1739
VT/L-GN
X85
Steering
Wheel Air
Bag Coil
X1
26
X63A
Junction
Block -
Rear Body
539
VT/GY
539
VT/GY
1139
VT/WH
1739
VT/L-GN
X5
1
X4
3
1139
RD
X2
9
X1
2
4
8
1
X2
4
2
1739
VT/GN
6
K33
HVAC
Control
Module
E40
Electrical
Auxiliary
Heater
P14
Passenger
Air Bag
Disabled
Indicator
P16
Instrument
Cluster
P43
Collision Alert
Indicators
K69
Transfer
Case
Control
Module
A10
Inside
Rearview
Mirror
B87
Rearview
Camera
K32
Steering
Wheel
Heating
Control
Module

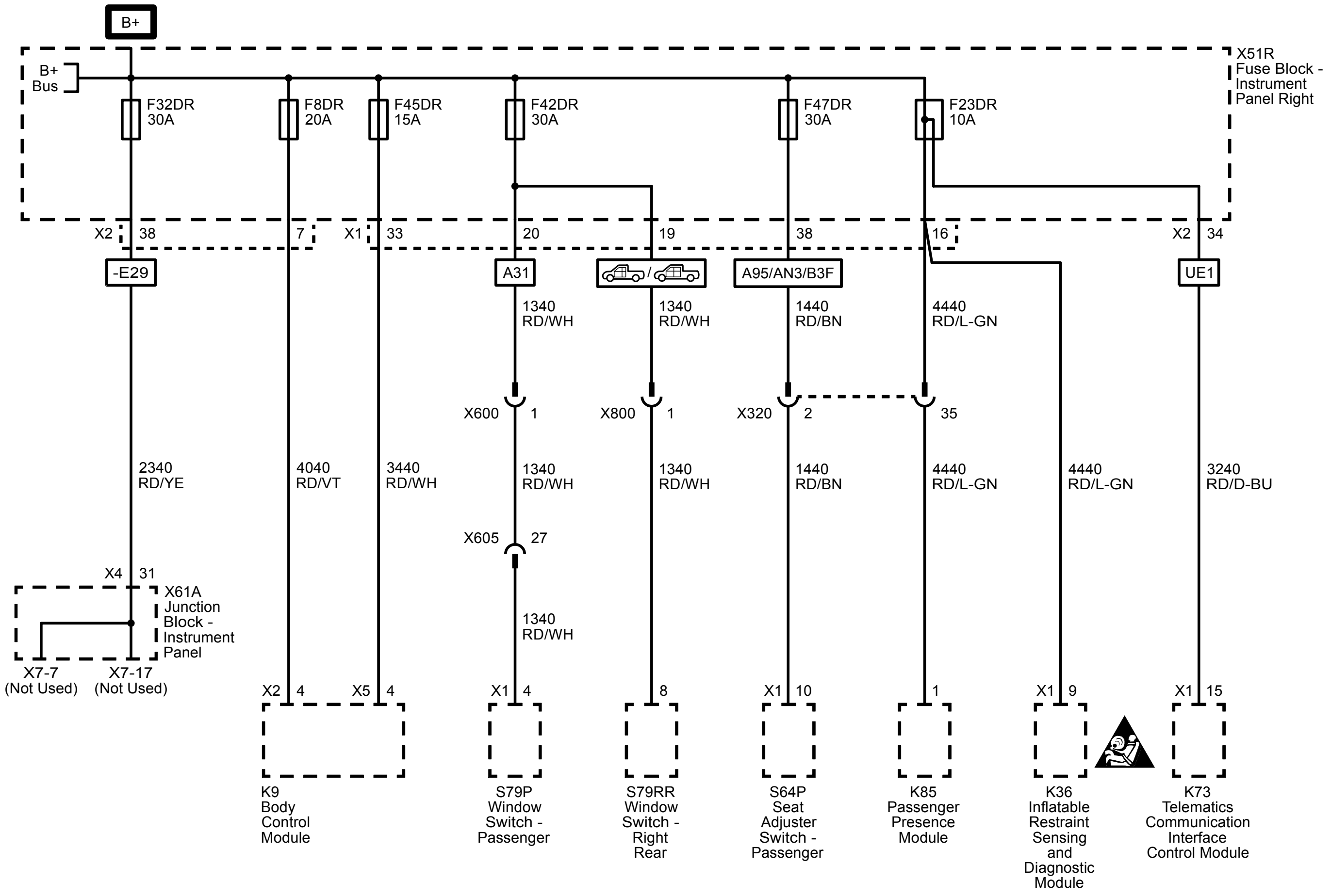
F1DL, F2DL, F3DL, F10DL, F11DL, F12DL, F13DL, F40DL and F41DL Fuses (1500)


L O C
D E S C
B+
B+ Bus
F41DL 30A
F40DL 30A
F13DL 2A
F11DL 50A
30
KR76A Retained Accessory Power Relay
1
87
F10DL 50A
F2DL 10A
F3DL 10A
X51L Fuse Block - Instrument Panel Left
F12DL 15A
F1DL 15A
X1 27
36
37
X2 5
20
10
X1 44
X3 11
12
A45/A95/ AG1/AN3/B3F
A31
D07
-E29
A48
CF5
CF5/TRW
5040 RD/YE
1842 RD/D-BU
1842 RD/D-BU
540 RD/D-BU
43 VT/YE
43 VT/YE
240 RD/YE
X310 2
X500 1
X700 1
X201 7 (E29)
X201 4 (-E29)
X316 3
23
17
5040 RD/YE
1842 RD/D-BU
1842 RD/D-BU
540 RD/BU
1040 RD/WH
4240 RD/BN
43 VT/YE
43 VT/YE
43 VT/YE
240 RD/YE
-A45/UFL
UFL-A45
A45
SP5040
D07
D09
X2 50
X61A Junction Block - Instrument Panel
X3-48 (Not Used)
X7-8 (Not Used)
X317 6
43 VT/YE
TRW
CF5
5040 RD/YE
5040 RD/YE
X1 6
X1 2
2
8
4
A
A
A
A
1
3
1
S64D Seat Adjuster Switch - Driver
K40 Seat Memory Control Module
M74D Window Motor - Driver
S79LR Window Switch - Left Rear
S39 Ignition Switch
X80J Accessory Power Receptacle - Instrument Panel 1
X80K Accessory Power Receptacle - Instrument Panel 2
X80G Accessory Power Receptacle - Instrument Panel
S68 Sliding Rear Window Switch
M69 Sunroof Motor
S63 Roof Beacon Switch
S25 Garage Door Opener

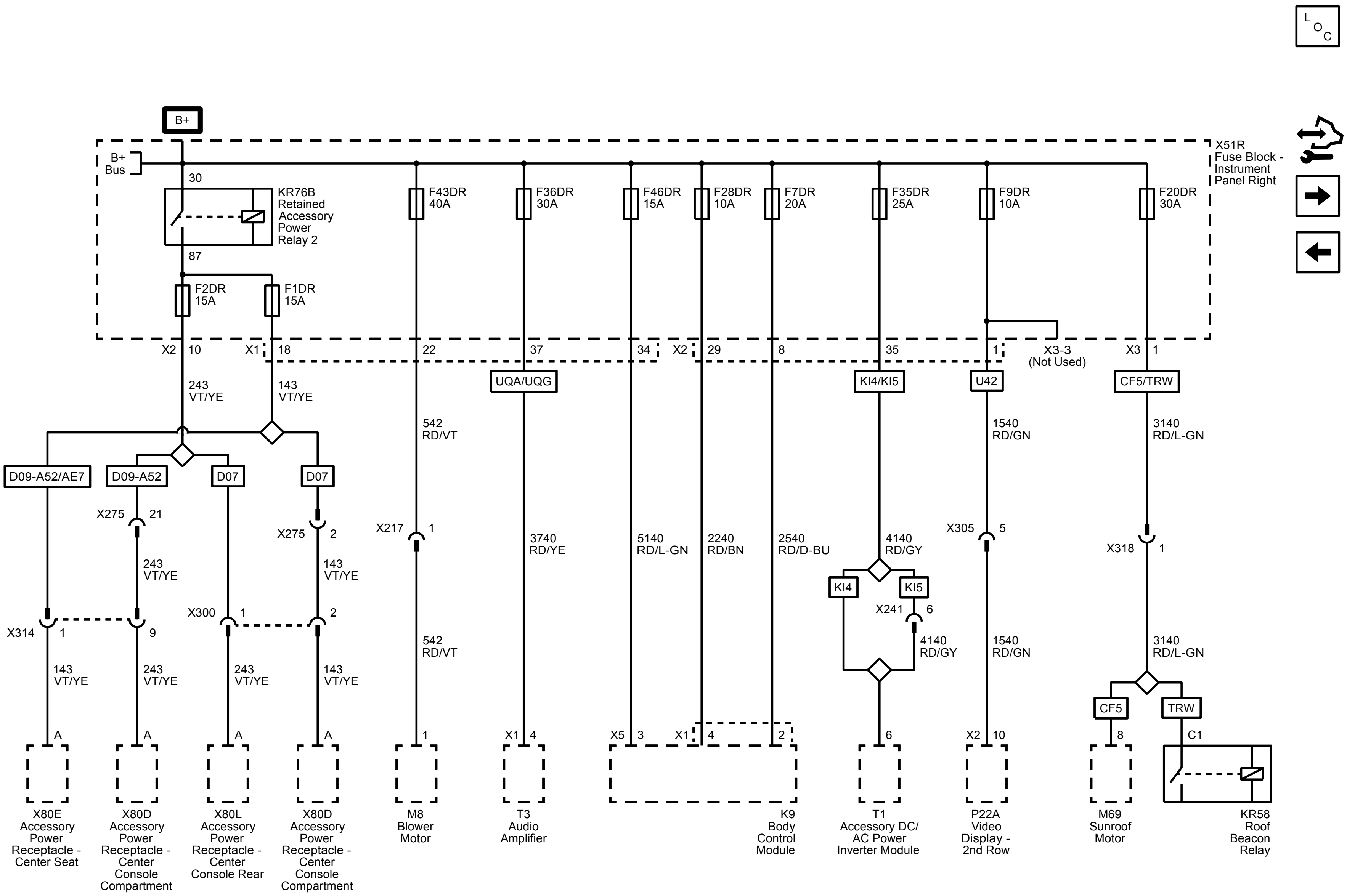
B+ Bus X51R Fuse Block - Instrument Panel Right (1500)


L O C
D E S C
B+
B+
X51R Fuse Block - Instrument Panel Right
F8DR 20A
F23DR 10A
F32DR 30A
F42DR 30A
F45DR 15A
F47DR 30A
F7DR 20A
F9DR 10A
F15DR 2A
F18DR 20A
F20DR 30A
F27DR 15A
F28DR 10A
KR112 Cargo Lamp Relay
F29DR 15A
30
KR76B Retained Accessory Power Relay 2
87
F35DR 25A
F36DR 30A
F43DR 40A
F46DR 15A
KR8B Sliding Rear Window Open Relay
KR8A Sliding Rear Window Close Relay
F10DR 15A
F1DR 15A
F2DR 15A

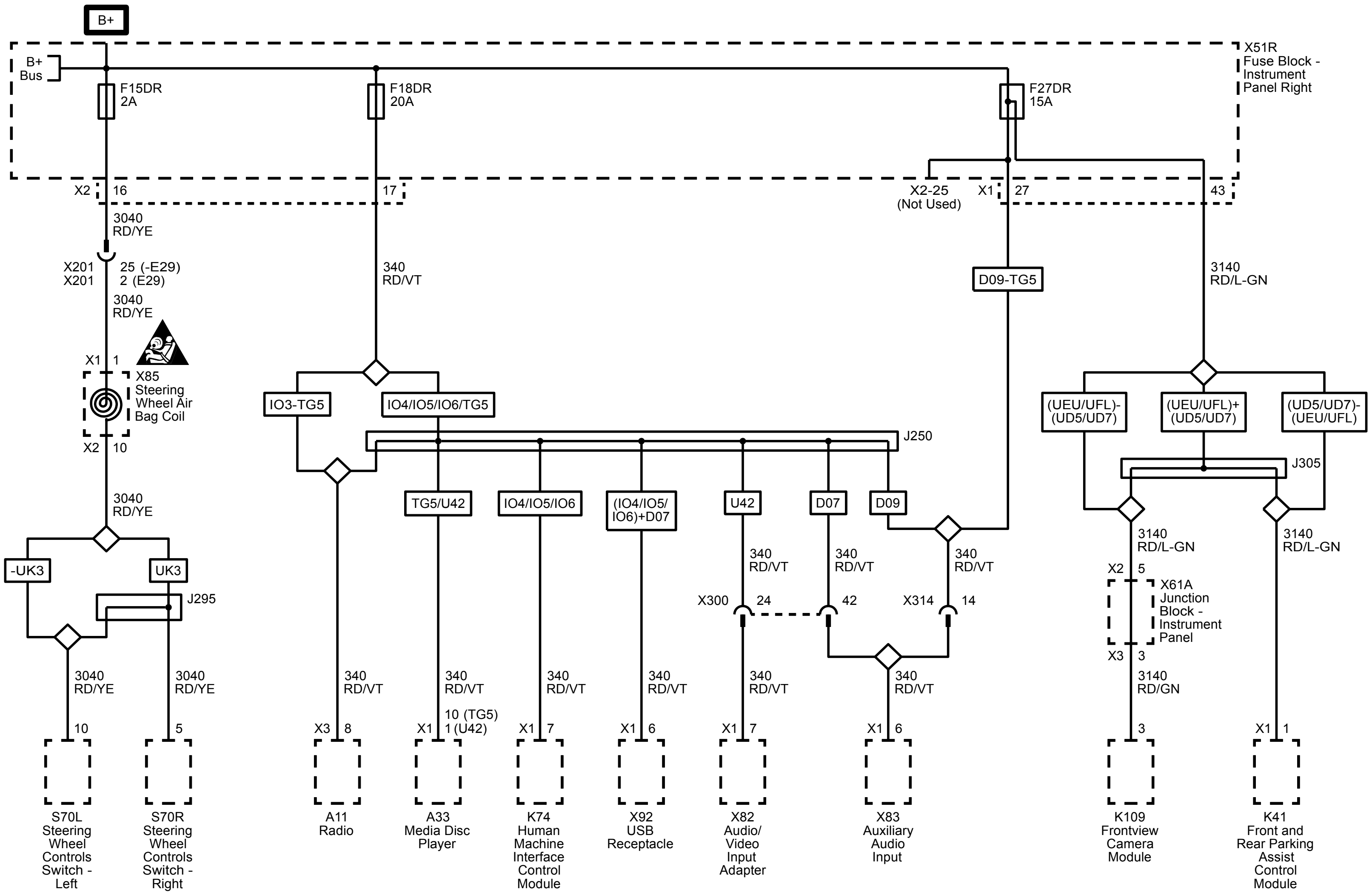
F8DR, F23DR, F32DR, F42DR, F45DR and F47DR Fuses (1500)


B+
B+ Bus
X51R Fuse Block - Instrument Panel Right
F32DR 30A
F8DR 20A
F45DR 15A
F42DR 30A
F47DR 30A
F23DR 10A
X2 38
7
X1 33
20
19
38
16
X2 34
-E29
A31
A95/AN3/B3F
UE1
1340 RD/WH
1340 RD/WH
1440 RD/BN
4440 RD/L-GN
X600 1
X800 1
X320 2
35
2340 RD/YE
4040 RD/VT
3440 RD/WH
1340 RD/WH
1340 RD/WH
1440 RD/BN
4440 RD/L-GN
4440 RD/L-GN
3240 RD/D-BU
X605 27
1340 RD/WH
X4 31
X61A Junction Block - Instrument Panel
X7-7 (Not Used)
X7-17 (Not Used)
X2 4
X5 4
X1 4
8
X1 10
1
X1 9
X1 15
K9 Body Control Module
S79P Window Switch - Passenger
S79RR Window Switch - Right Rear
S64P Seat Adjuster Switch - Passenger
K85 Passenger Presence Module
K36 Inflatable Restraint Sensing and Diagnostic Module
K73 Telematics Communication Interface Control Module

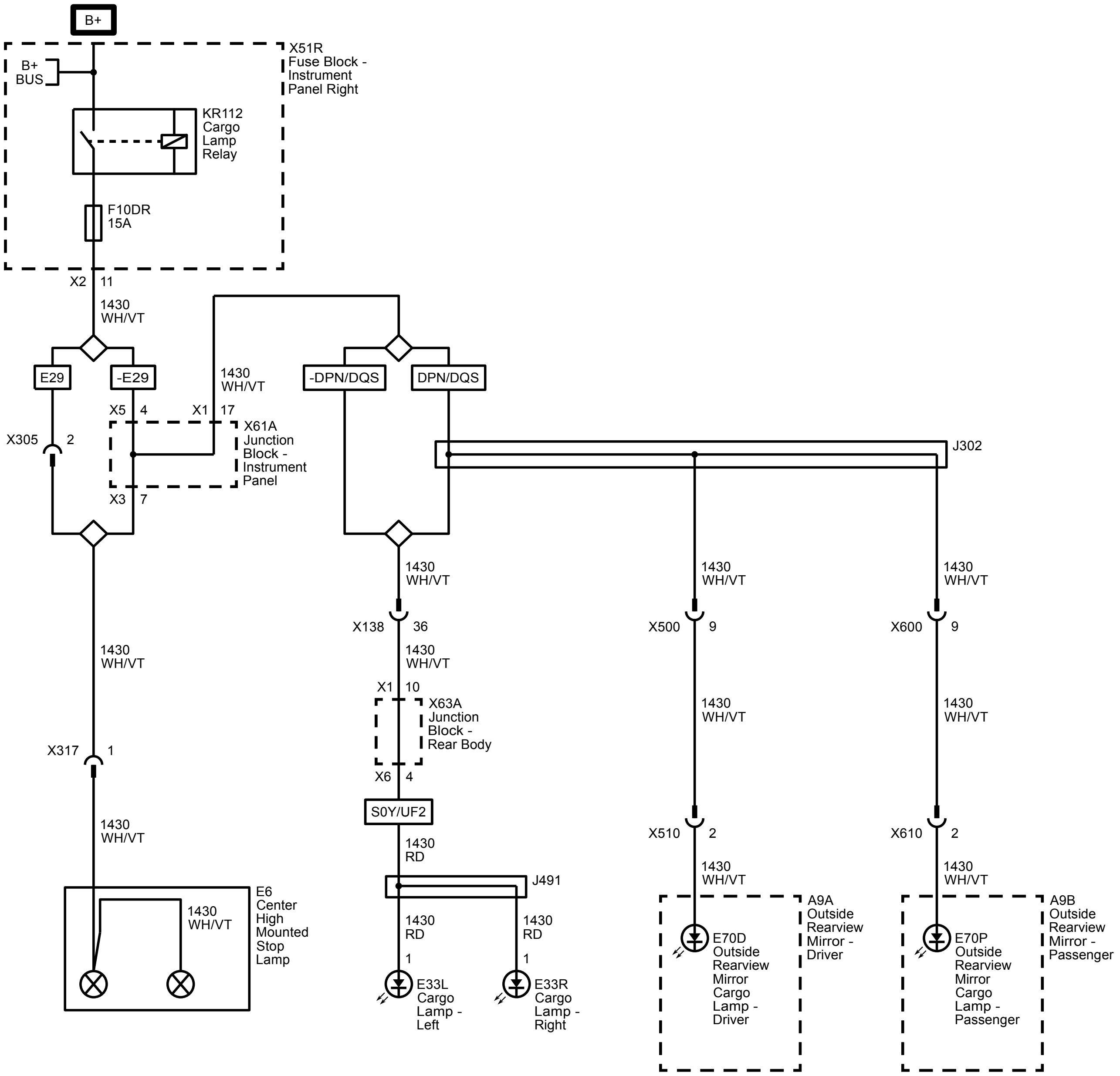
F1DR, F2DR, F7DR, F9DR, F20DR, F28DR, F35DR, F36DR, F43DR and F46DR Fuses (1500)


L O C
B+
B+ Bus
30
KR76B Retained Accessory Power Relay 2
87
F2DR 15A
F1DR 15A
F43DR 40A
F36DR 30A
F46DR 15A
F28DR 10A
F7DR 20A
F35DR 25A
F9DR 10A
F20DR 30A
X51R Fuse Block - Instrument Panel Right
X2 10
X1 18
22
37
34
X2 29
8
35
1
X3-3 (Not Used)
X3 1
243 VT/YE
143 VT/YE
UQA/UQG
KI4/KI5
U42
CF5/TRW
542 RD/VT
1540 RD/GN
3140 RD/L-GN
D09-A52/AE7
D09-A52
D07
D07
X275 21
X275 2
X217 1
3740 RD/YE
5140 RD/L-GN
2240 RD/BN
2540 RD/D-BU
4140 RD/GY
X305 5
X318 1
243 VT/YE
143 VT/YE
KI4
KI5
X241 6
X314 1
9
X300 1
2
143 VT/YE
243 VT/YE
243 VT/YE
143 VT/YE
542 RD/VT
4140 RD/GY
1540 RD/GN
3140 RD/L-GN
CF5
TRW
A
A
A
A
1
X1 4
X5 3
X1 4
2
6
X2 10
8
C1
X80E Accessory Power Receptacle - Center Seat
X80D Accessory Power Receptacle - Center Console Compartment
X80L Accessory Power Receptacle - Center Console Rear
X80D Accessory Power Receptacle - Center Console Compartment
M8 Blower Motor
T3 Audio Amplifier
K9 Body Control Module
T1 Accessory DC/ AC Power Inverter Module
P22A Video Display - 2nd Row
M69 Sunroof Motor
KR58 Roof Beacon Relay

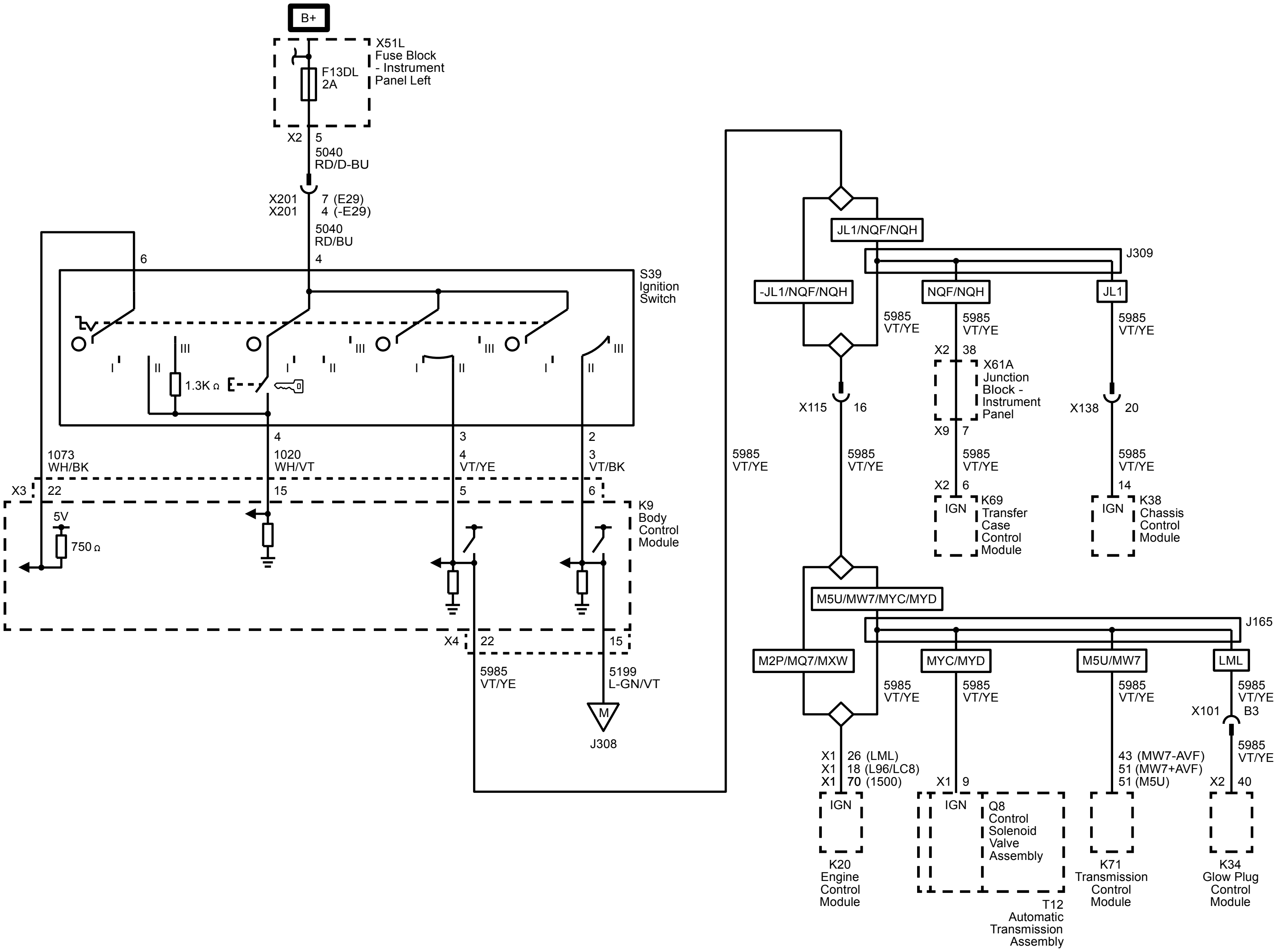
F15DR, F18DR and F27DR Fuses (1500)


B+
B+ Bus
F15DR 2A
F18DR 20A
F27DR 15A
X51R Fuse Block - Instrument Panel Right
X2 16
17
X2-25 (Not Used)
X1 27
43
3040 RD/YE
X201 25 (-E29)
X201 2 (E29)
3040 RD/YE
340 RD/VT
D09-TG5
3140 RD/L-GN
X1 1
X85 Steering Wheel Air Bag Coil
X2 10
3040 RD/YE
IO3-TG5
IO4/IO5/IO6/TG5
J250
(UEU/UFL)-(UD5/UD7)
(UEU/UFL)+(UD5/UD7)
(UD5/UD7)-(UEU/UFL)
J305
-UK3
UK3
J295
TG5/U42
IO4/IO5/IO6
(IO4/IO5/IO6)+D07
U42
D07
D09
340 RD/VT
340 RD/VT
340 RD/VT
3140 RD/L-GN
3140 RD/L-GN
X2 5
X61A Junction Block - Instrument Panel
X300 24
42
X314 14
X3 3
3040 RD/YE
3040 RD/YE
340 RD/VT
340 RD/VT
340 RD/VT
340 RD/VT
340 RD/VT
340 RD/VT
3140 RD/GN
10
5
X3 8
10 (TG5)
X1 1 (U42)
X1 7
X1 6
X1 7
X1 6
3
X1 1
S70L Steering Wheel Controls Switch - Left
S70R Steering Wheel Controls Switch - Right
A11 Radio
A33 Media Disc Player
K74 Human Machine Interface Control Module
X92 USB Receptacle
X82 Audio/ Video Input Adapter
X83 Auxiliary Audio Input
K109 Frontview Camera Module
K41 Front and Rear Parking Assist Control Module

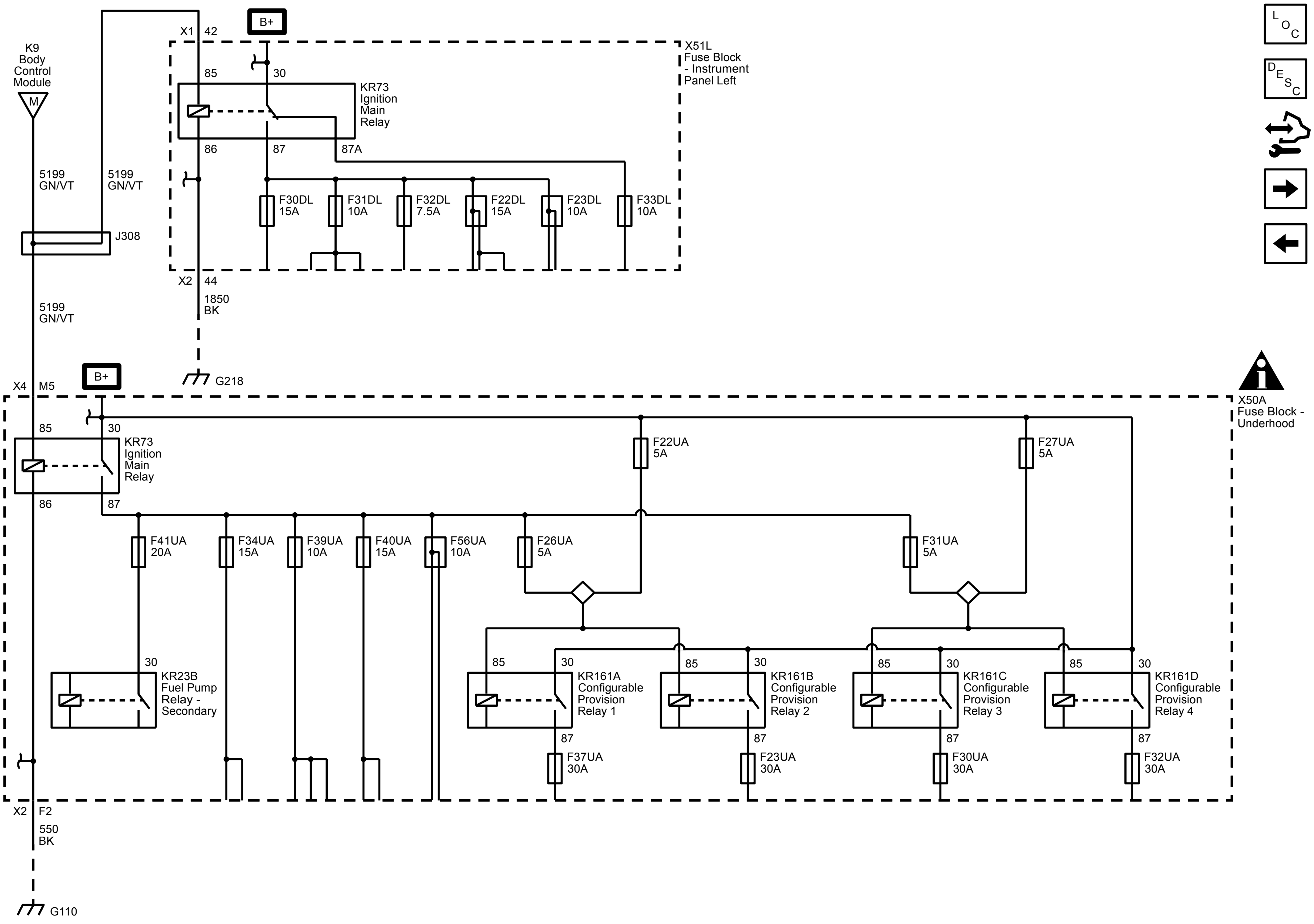
F10DR Fuse (1500)

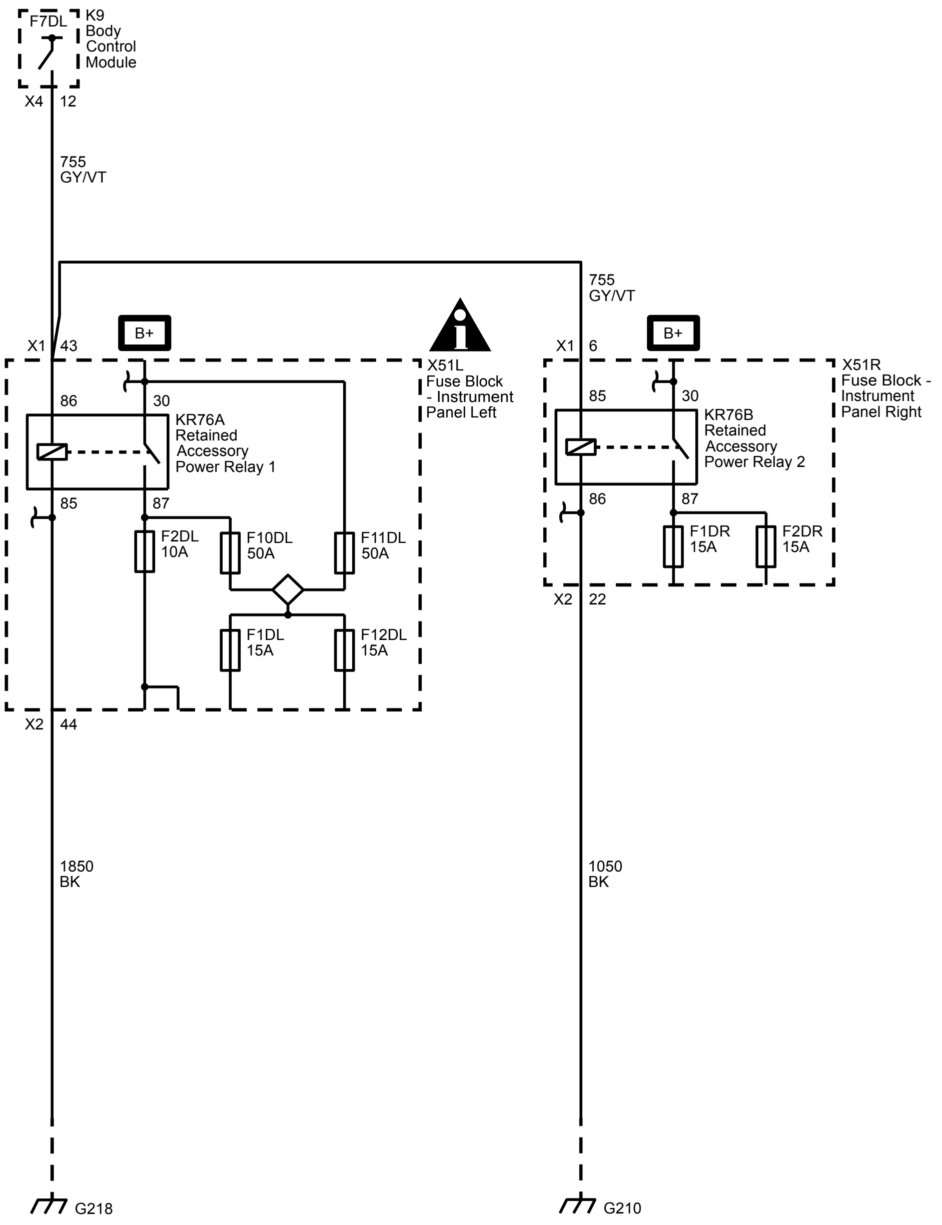

B+
X51R
Fuse Block -
Instrument
Panel Right
B+
BUS
KR112
Cargo
Lamp
Relay
F10DR
15A
X2 11
1430
WH/VT
E29
-E29
1430
WH/VT
-DPN/DQS
DPN/DQS
X5 4
X1 17
X305 2
X61A
Junction
Block -
Instrument
Panel
J302
X3 7
1430
WH/VT
1430
WH/VT
1430
WH/VT
X138 36
X500 9
X600 9
1430
WH/VT
1430
WH/VT
X1 10
X63A
Junction
Block -
Rear Body
1430
WH/VT
1430
WH/VT
X317 1
X6 4
S0Y/UF2
X510 2
X610 2
1430
WH/VT
1430
RD
J491
1430
WH/VT
1430
WH/VT
E6
Center
High
Mounted
Stop
Lamp
1430
WH/VT
1430
RD
1430
RD
1
1
A9A
Outside
Rearview
Mirror -
Driver
E70D
Outside
Rearview
Mirror
Cargo
Lamp -
Driver
A9B
Outside
Rearview
Mirror -
Passenger
E70P
Outside
Rearview
Mirror
Cargo
Lamp -
Passenger
E33L
Cargo
Lamp -
Left
E33R
Cargo
Lamp -
Right

Ignition Switch and Ignition Power

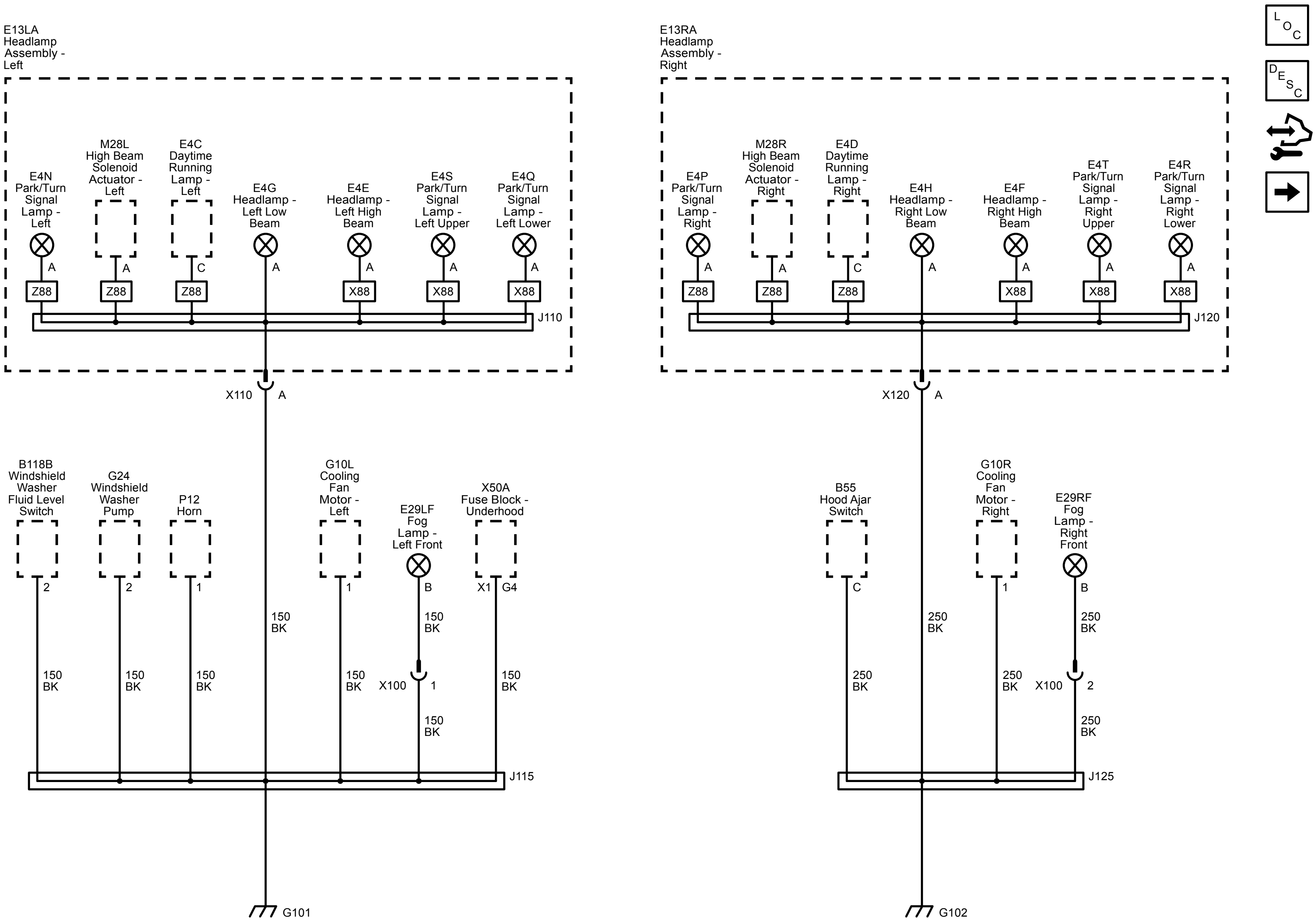

B+
X51L
Fuse Block
- Instrument
Panel Left
F13DL
2A
X2 5
5040
RD/D-BU
X201 7 (E29)
X201 4 (-E29)
5040
RD/BU
4
6
S39
Ignition
Switch
III
I
II
1.3K Ω
4
3
2
1073
WH/BK
1020
WH/VT
4
VT/YE
3
VT/BK
X3 22
15
5
6
K9
Body
Control
Module
5V
750 Ω
X4 22
15
5985
VT/YE
5199
L-GN/VT
M
J308
5985
VT/YE
JL1/NQF/NQH
J309
-JL1/NQF/NQH
NQF/NQH
JL1
5985
VT/YE
X2 38
X61A
Junction
Block -
Instrument
Panel
X9 7
X115 16
X138 20
14
X2 6
IGN
K69
Transfer
Case
Control
Module
IGN
K38
Chassis
Control
Module
M5U/MW7/MYC/MYD
J165
M2P/MQ7/MXW
MYC/MYD
M5U/MW7
LML
X101 B3
X1 26 (LML)
X1 18 (L96/LC8)
X1 70 (1500)
X1 9
43 (MW7-AVF)
51 (MW7+AVF)
51 (M5U)
X2 40
IGN
K20
Engine
Control
Module
IGN
Q8
Control
Solenoid
Valve
Assembly
T12
Automatic
Transmission
Assembly
K71
Transmission
Control
Module
K34
Glow Plug
Control
Module

Ignition Main Relays


K9
Body
Control
Module
M
5199
GN/VT
5199
GN/VT
J308
5199
GN/VT
X1
42
B+
X51L
Fuse Block
- Instrument
Panel Left
85
30
KR73
Ignition
Main
Relay
86
87
87A
F30DL
15A
F31DL
10A
F32DL
7.5A
F22DL
15A
F23DL
10A
F33DL
10A
X2
44
1850
BK
G218
X4
M5
B+
X50A
Fuse Block -
Underhood
85
30
KR73
Ignition
Main
Relay
86
87
F22UA
5A
F27UA
5A
F41UA
20A
F34UA
15A
F39UA
10A
F40UA
15A
F56UA
10A
F26UA
5A
F31UA
5A
30
KR23B
Fuel Pump
Relay -
Secondary
85
30
KR161A
Configurable
Provision
Relay 1
87
F37UA
30A
85
30
KR161B
Configurable
Provision
Relay 2
87
F23UA
30A
85
30
KR161C
Configurable
Provision
Relay 3
87
F30UA
30A
85
30
KR161D
Configurable
Provision
Relay 4
87
F32UA
30A
X2
F2
550
BK
G110

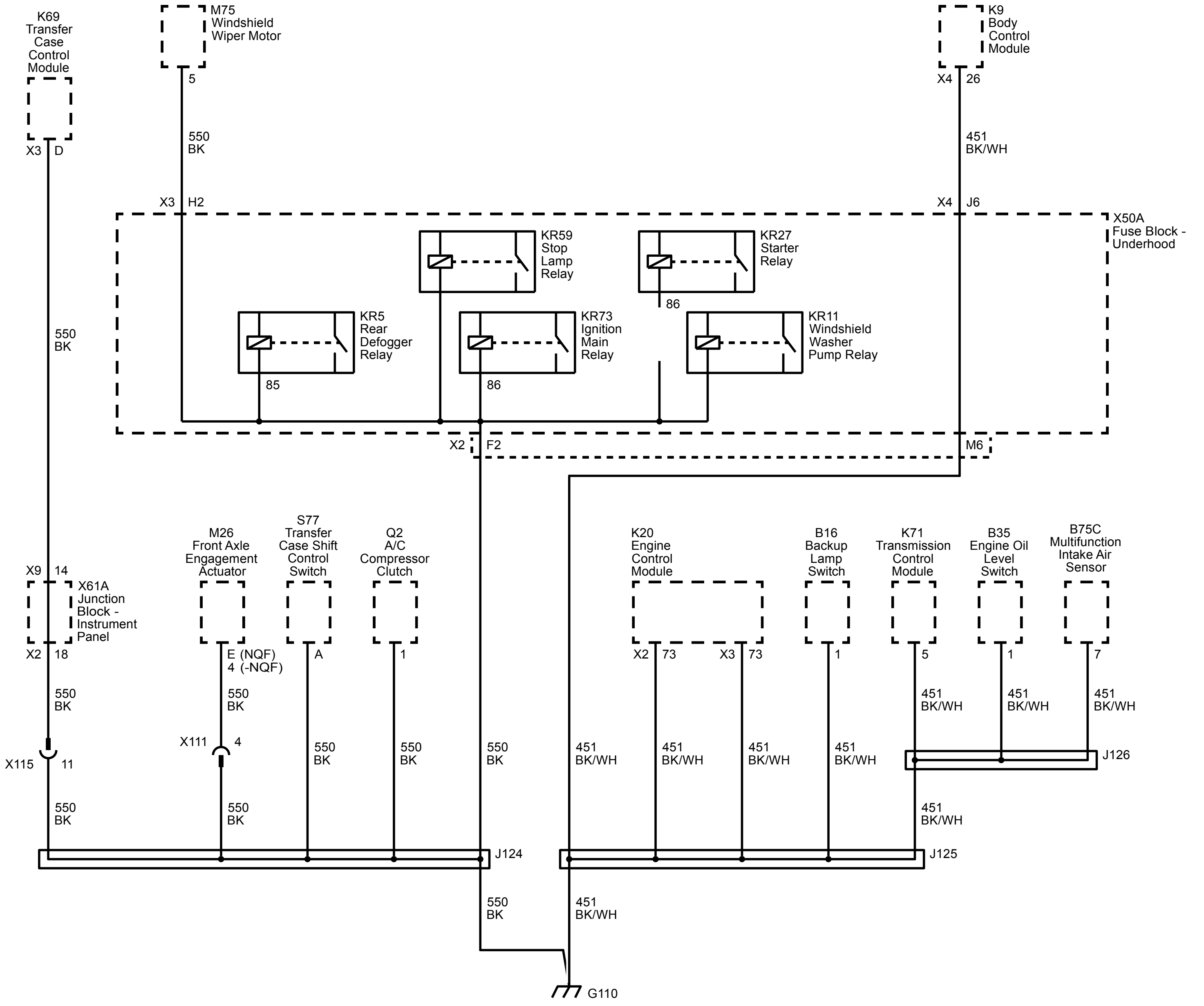

F7DL
K9
Body
Control
Module
X4 12
755
GY/VT
755
GY/VT
B+
X1 43
86
30
KR76A
Retained
Accessory
Power Relay 1
85
87
F2DL
10A
F10DL
50A
F11DL
50A
F1DL
15A
F12DL
15A
X51L
Fuse Block
- Instrument
Panel Left
X2 44
1850
BK
G218
B+
X1 6
85
30
KR76B
Retained
Accessory
Power Relay 2
86
87
F1DR
15A
F2DR
15A
X51R
Fuse Block -
Instrument
Panel Right
X2 22
1050
BK
G210

G101 and G102

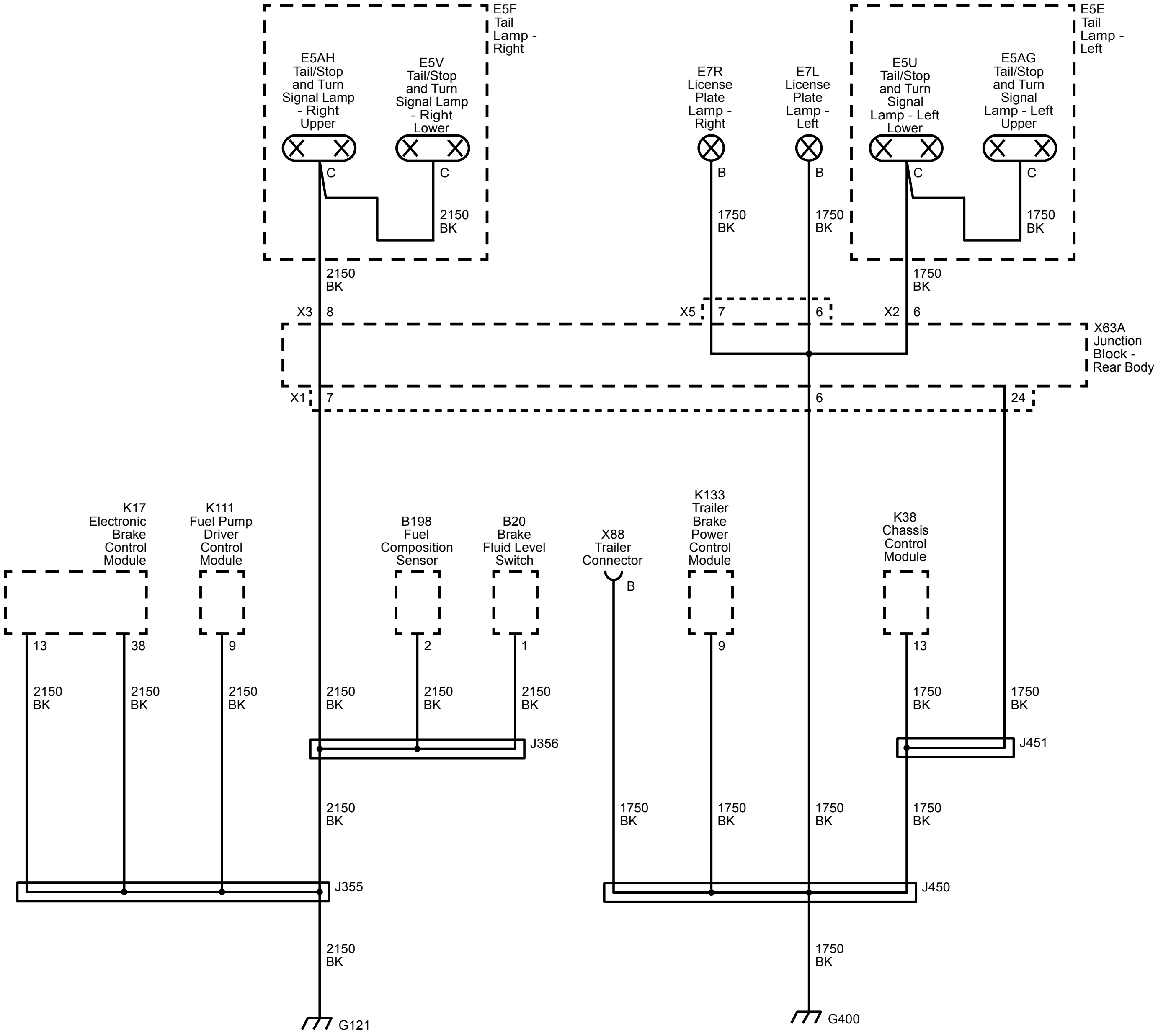

E13LA Headlamp Assembly - Left
E4N Park/Turn Signal Lamp - Left
M28L High Beam Solenoid Actuator - Left
E4C Daytime Running Lamp - Left
E4G Headlamp - Left Low Beam
E4E Headlamp - Left High Beam
E4S Park/Turn Signal Lamp - Left Upper
E4Q Park/Turn Signal Lamp - Left Lower
Z88
X88
J110
X110 A
E13RA Headlamp Assembly - Right
E4P Park/Turn Signal Lamp - Right
M28R High Beam Solenoid Actuator - Right
E4D Daytime Running Lamp - Right
E4H Headlamp - Right Low Beam
E4F Headlamp - Right High Beam
E4T Park/Turn Signal Lamp - Right Upper
E4R Park/Turn Signal Lamp - Right Lower
J120
X120 A
B118B Windshield Washer Fluid Level Switch
G24 Windshield Washer Pump
P12 Horn
G10L Cooling Fan Motor - Left
E29LF Fog Lamp - Left Front
X50A Fuse Block - Underhood
X1 G4
150 BK
X100 1
J115
G101
B55 Hood Ajar Switch
G10R Cooling Fan Motor - Right
E29RF Fog Lamp - Right Front
250 BK
X100 2
J125
G102

2015 CHEVROLET SILVERADO/GMC SIERRA
ELECTRICAL SECTION

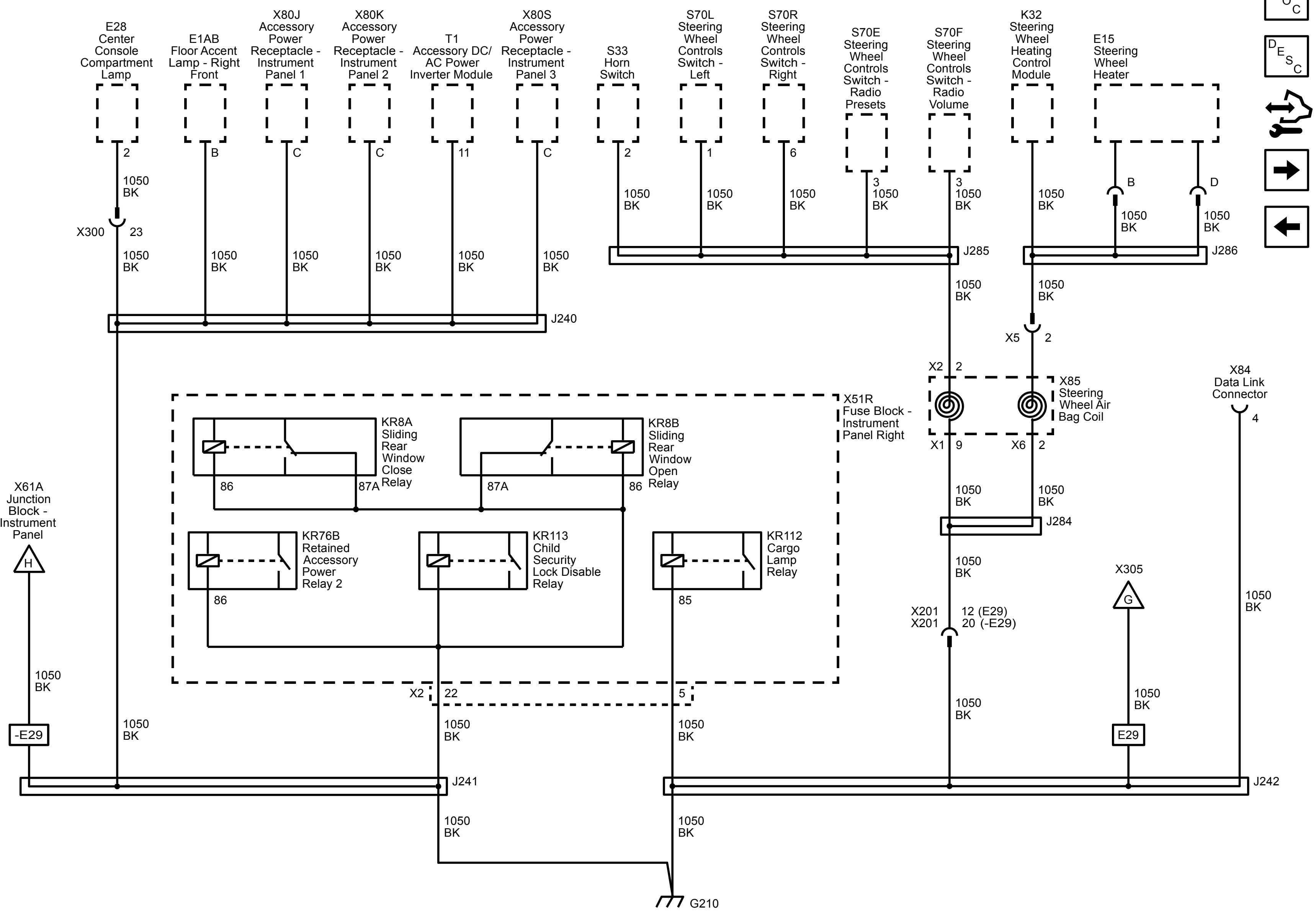
G110


K69 Transfer Case Control Module
X3 D
550 BK
M75 Windshield Wiper Motor
5
550 BK
X3 H2
K9 Body Control Module
X4 26
451 BK/WH
X4 J6
X50A Fuse Block - Underhood
KR59 Stop Lamp Relay
KR27 Starter Relay
86
KR5 Rear Defogger Relay
85
KR73 Ignition Main Relay
86
KR11 Windshield Washer Pump Relay
X2 F2
M6
550 BK
X9 14
X61A Junction Block - Instrument Panel
X2 18
550 BK
X115 11
550 BK
M26 Front Axle Engagement Actuator
E (NQF)
4 (-NQF)
550 BK
X111 4
550 BK
S77 Transfer Case Shift Control Switch
A
550 BK
Q2 A/C Compressor Clutch
1
550 BK
550 BK
J124
550 BK
K20 Engine Control Module
X2 73
X3 73
451 BK/WH
451 BK/WH
451 BK/WH
B16 Backup Lamp Switch
1
451 BK/WH
K71 Transmission Control Module
5
451 BK/WH
B35 Engine Oil Level Switch
1
451 BK/WH
B75C Multifunction Intake Air Sensor
7
451 BK/WH
J126
451 BK/WH
J125
451 BK/WH
G110

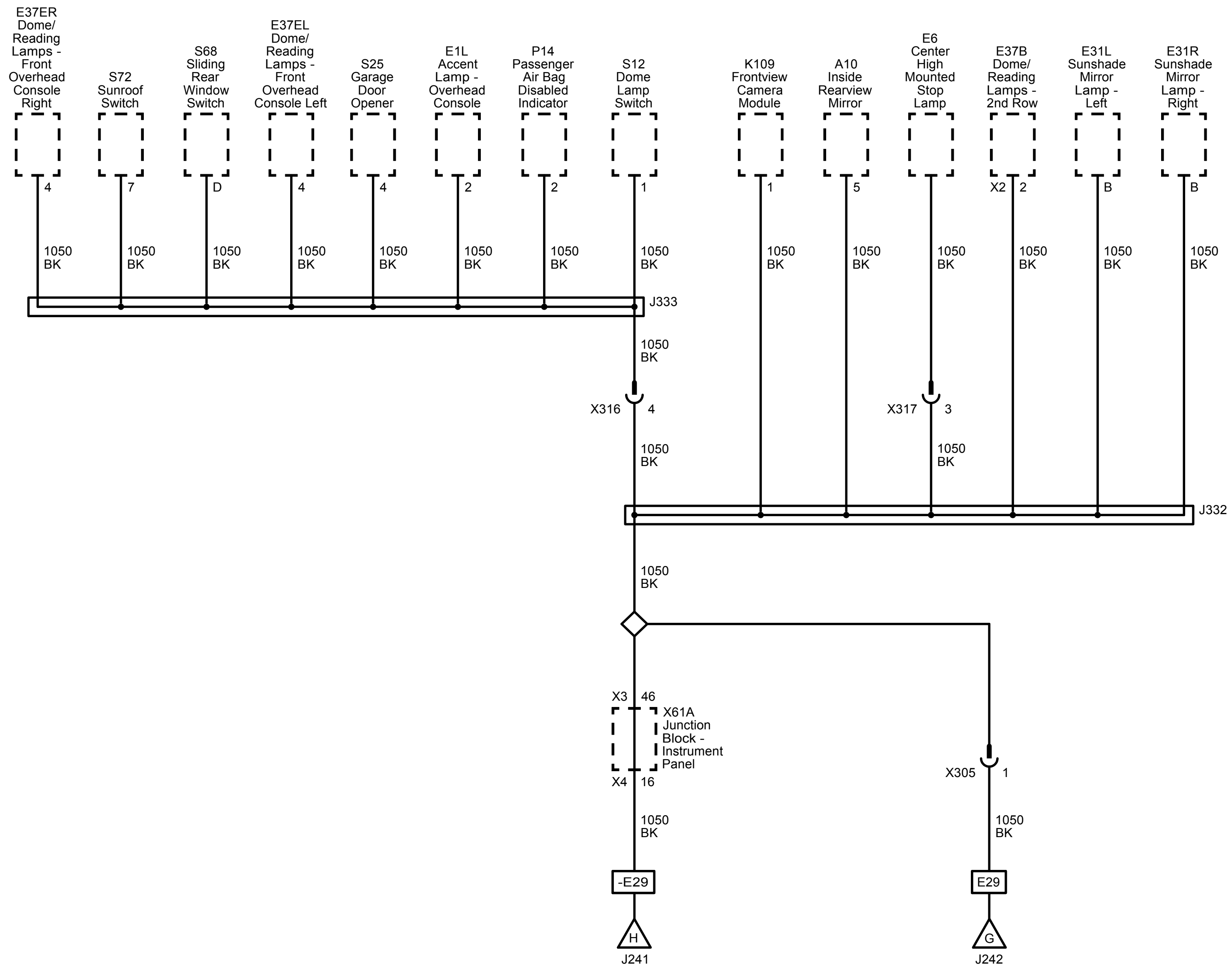
G121 and G400


E5F Tail Lamp - Right
E5AH Tail/Stop and Turn Signal Lamp - Right Upper
E5V Tail/Stop and Turn Signal Lamp - Right Lower
C
C
2150 BK
2150 BK
E7R License Plate Lamp - Right
E7L License Plate Lamp - Left
B
B
1750 BK
1750 BK
E5E Tail Lamp - Left
E5U Tail/Stop and Turn Signal Lamp - Left Lower
E5AG Tail/Stop and Turn Signal Lamp - Left Upper
C
C
1750 BK
1750 BK
X3 8
X5 7 6
X2 6
X63A Junction Block - Rear Body
X1 7
6
24
K17 Electronic Brake Control Module
K111 Fuel Pump Driver Control Module
B198 Fuel Composition Sensor
B20 Brake Fluid Level Switch
X88 Trailer Connector
B
K133 Trailer Brake Power Control Module
K38 Chassis Control Module
13
38
9
2
1
9
13
2150 BK
2150 BK
2150 BK
2150 BK
2150 BK
2150 BK
1750 BK
1750 BK
J356
J451
2150 BK
1750 BK
1750 BK
1750 BK
1750 BK
J355
J450
2150 BK
1750 BK
G121
G400

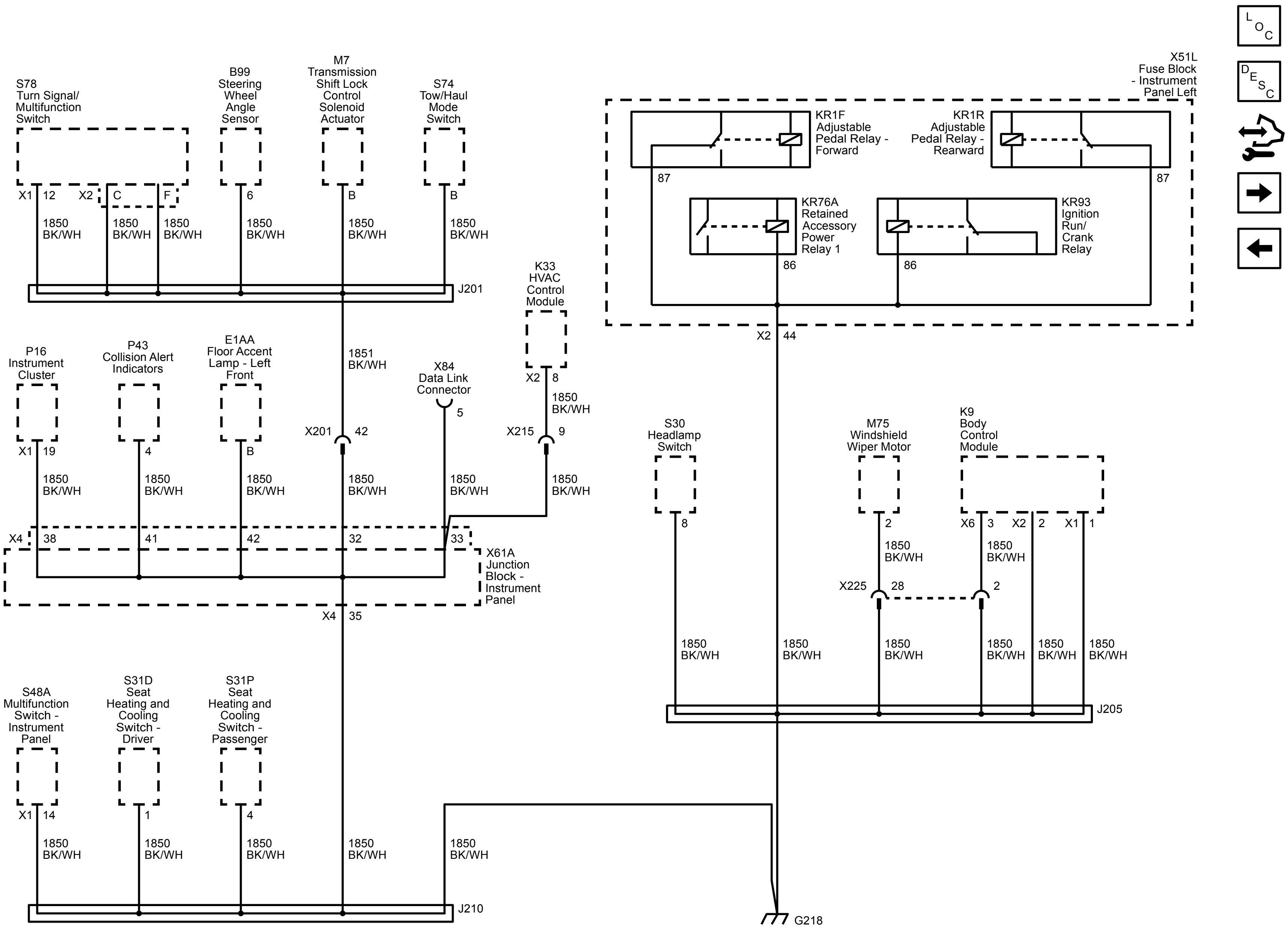
G210 (1 of 2)


E28 Center Console Compartment Lamp
E1AB Floor Accent Lamp - Right Front
X80J Accessory Power Receptacle - Instrument Panel 1
X80K Accessory Power Receptacle - Instrument Panel 2
T1 Accessory DC/ AC Power Inverter Module
X80S Accessory Power Receptacle - Instrument Panel 3
S33 Horn Switch
S70L Steering Wheel Controls Switch - Left
S70R Steering Wheel Controls Switch - Right
S70E Steering Wheel Controls Switch - Radio Presets
S70F Steering Wheel Controls Switch - Radio Volume
K32 Steering Wheel Heating Control Module
E15 Steering Wheel Heater
L O C
D E S C
2
B
C
C
11
C
2
1
6
3
3
B
D
1050 BK
X300
23
J240
J285
J286
X5
2
X2
2
X85 Steering Wheel Air Bag Coil
X1
9
X6
2
J284
X84 Data Link Connector
4
X51R Fuse Block - Instrument Panel Right
KR8A Sliding Rear Window Close Relay
KR8B Sliding Rear Window Open Relay
86
87A
87A
86
KR76B Retained Accessory Power Relay 2
KR113 Child Security Lock Disable Relay
KR112 Cargo Lamp Relay
86
85
X61A Junction Block - Instrument Panel
H
X201
X201
12 (E29)
20 (-E29)
X305
G
X2
22
5
-E29
E29
J241
J242
G210

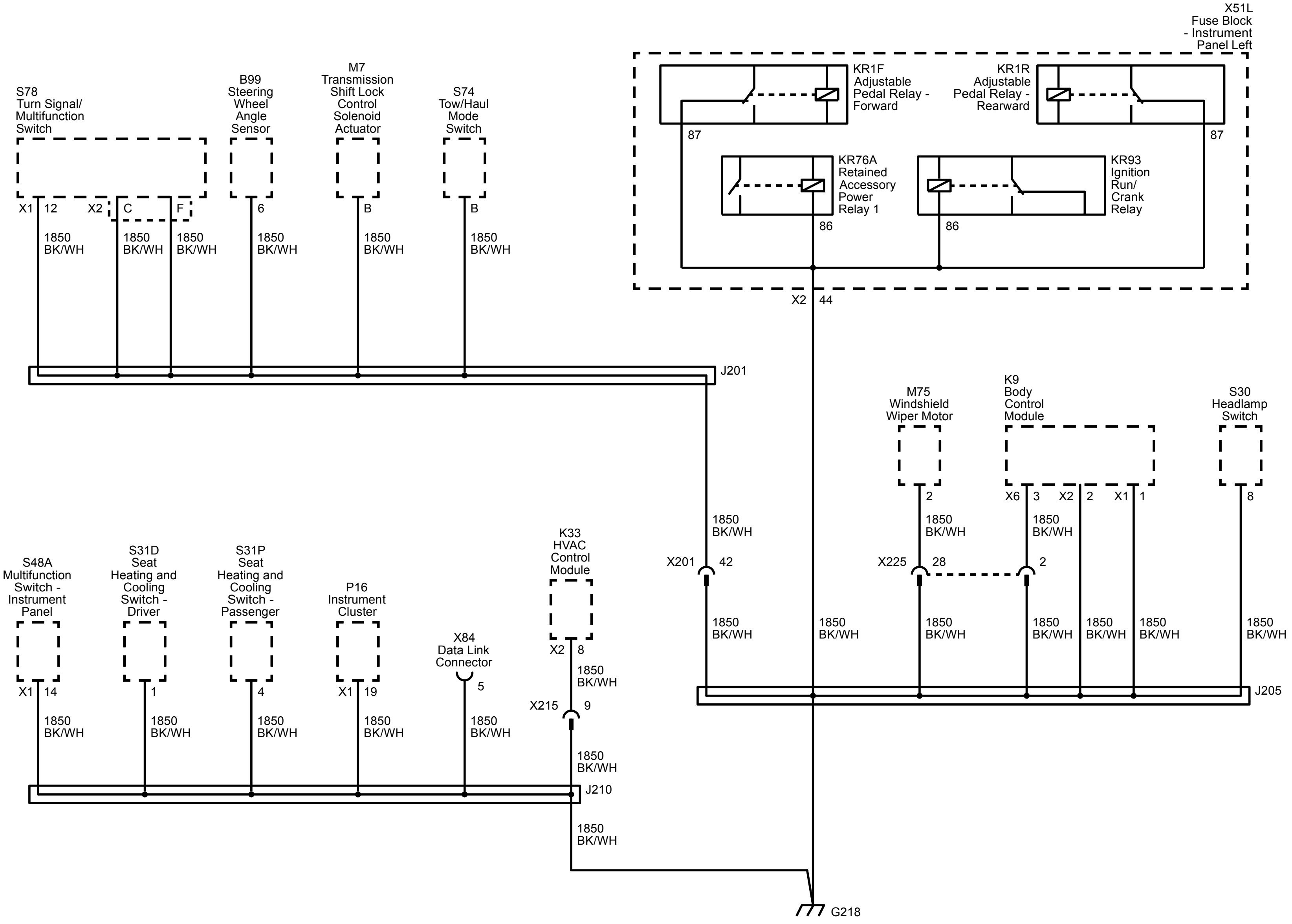
G210 (2 of 2)


E37ER Dome/ Reading Lamps - Front Overhead Console Right
S72 Sunroof Switch
S68 Sliding Rear Window Switch
E37EL Dome/ Reading Lamps - Front Overhead Console Left
S25 Garage Door Opener
E1L Accent Lamp - Overhead Console
P14 Passenger Air Bag Disabled Indicator
S12 Dome Lamp Switch
K109 Frontview Camera Module
A10 Inside Rearview Mirror
E6 Center High Mounted Stop Lamp
E37B Dome/ Reading Lamps - 2nd Row
E31L Sunshade Mirror Lamp - Left
E31R Sunshade Mirror Lamp - Right
4
7
D
4
4
2
2
1
1
5
X2 2
B
B
1050 BK
J333
X316 4
X317 3
J332
X3 46
X61A Junction Block - Instrument Panel
X4 16
X305 1
-E29
E29
H
G
J241
J242

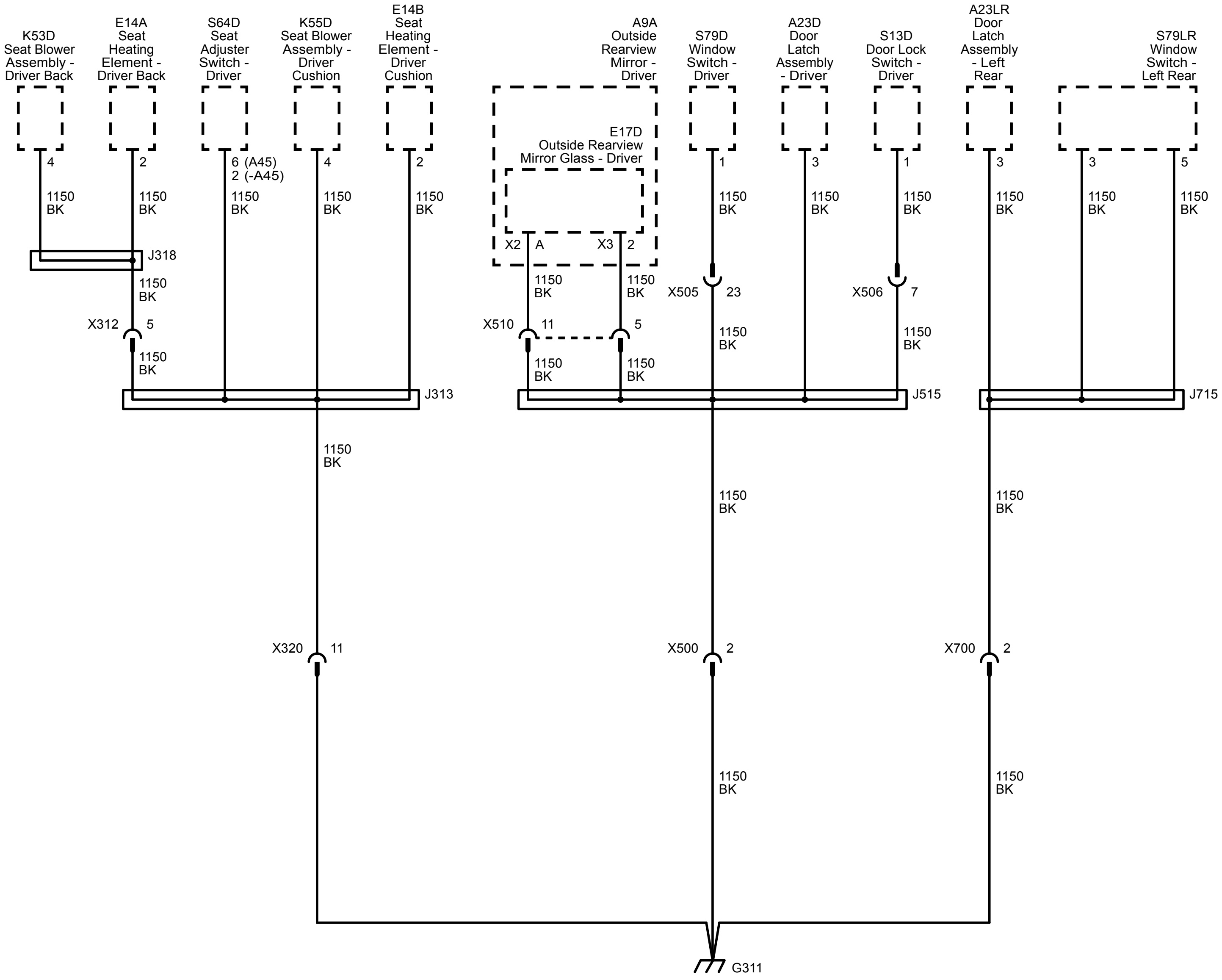
G218 (except E29)


S78
Turn Signal/
Multifunction
Switch
B99
Steering
Wheel
Angle
Sensor
M7
Transmission
Shift Lock
Control
Solenoid
Actuator
S74
Tow/Haul
Mode
Switch
X1 12
X2 C F
6
B
B
1850 BK/WH
J201
1851 BK/WH
K33
HVAC
Control
Module
X2 8
X84
Data Link
Connector
5
X201 42
X215 9
P16
Instrument
Cluster
P43
Collision Alert
Indicators
E1AA
Floor Accent
Lamp - Left
Front
X1 19
4
B
X4 38 41 42 32 33
X61A
Junction
Block -
Instrument
Panel
X4 35
S48A
Multifunction
Switch -
Instrument
Panel
S31D
Seat
Heating and
Cooling
Switch -
Driver
S31P
Seat
Heating and
Cooling
Switch -
Passenger
X1 14
1
4
J210
G218
X51L
Fuse Block
- Instrument
Panel Left
KR1F
Adjustable
Pedal Relay -
Forward
KR1R
Adjustable
Pedal Relay -
Rearward
87
87
KR76A
Retained
Accessory
Power
Relay 1
KR93
Ignition
Run/
Crank
Relay
86
86
X2 44
S30
Headlamp
Switch
M75
Windshield
Wiper Motor
K9
Body
Control
Module
8
2
X6 3 X2 2 X1 1
X225 28
2
J205

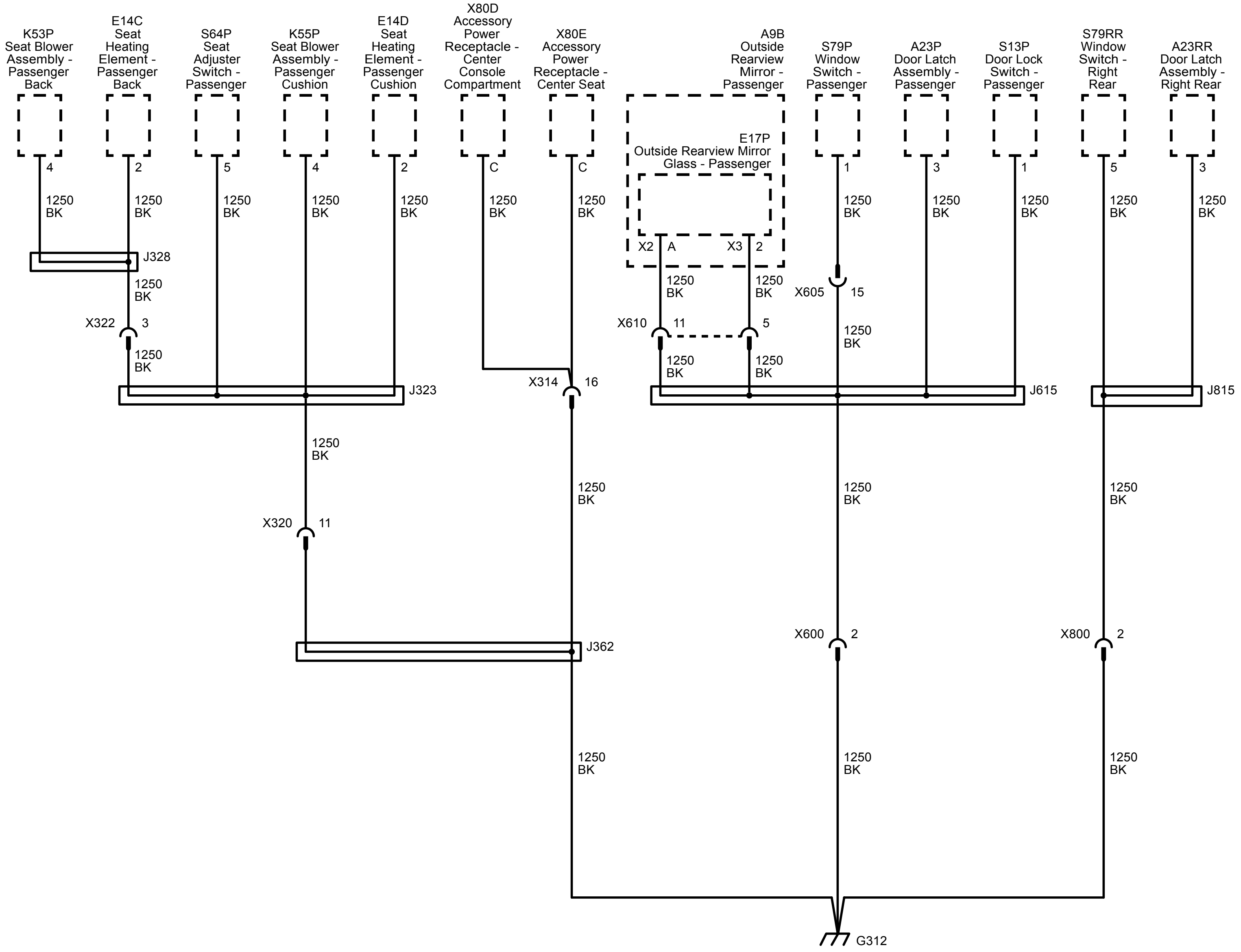
G218 (E29)


X51L
Fuse Block
- Instrument
Panel Left
KR1F
Adjustable
Pedal Relay -
Forward
KR1R
Adjustable
Pedal Relay -
Rearward
87
87
KR76A
Retained
Accessory
Power
Relay 1
KR93
Ignition
Run/
Crank
Relay
86
86
X2 44
S78
Turn Signal/
Multifunction
Switch
B99
Steering
Wheel
Angle
Sensor
M7
Transmission
Shift Lock
Control
Solenoid
Actuator
S74
Tow/Haul
Mode
Switch
X1 12
X2 C
F
6
B
B
1850
BK/WH
J201
M75
Windshield
Wiper Motor
K9
Body
Control
Module
S30
Headlamp
Switch
2
X6 3
X2 2
X1 1
8
X201 42
X225 28
2
J205
S48A
Multifunction
Switch -
Instrument
Panel
S31D
Seat
Heating and
Cooling
Switch -
Driver
S31P
Seat
Heating and
Cooling
Switch -
Passenger
P16
Instrument
Cluster
X84
Data Link
Connector
K33
HVAC
Control
Module
X1 14
1
4
X1 19
5
X2 8
X215 9
J210
G218

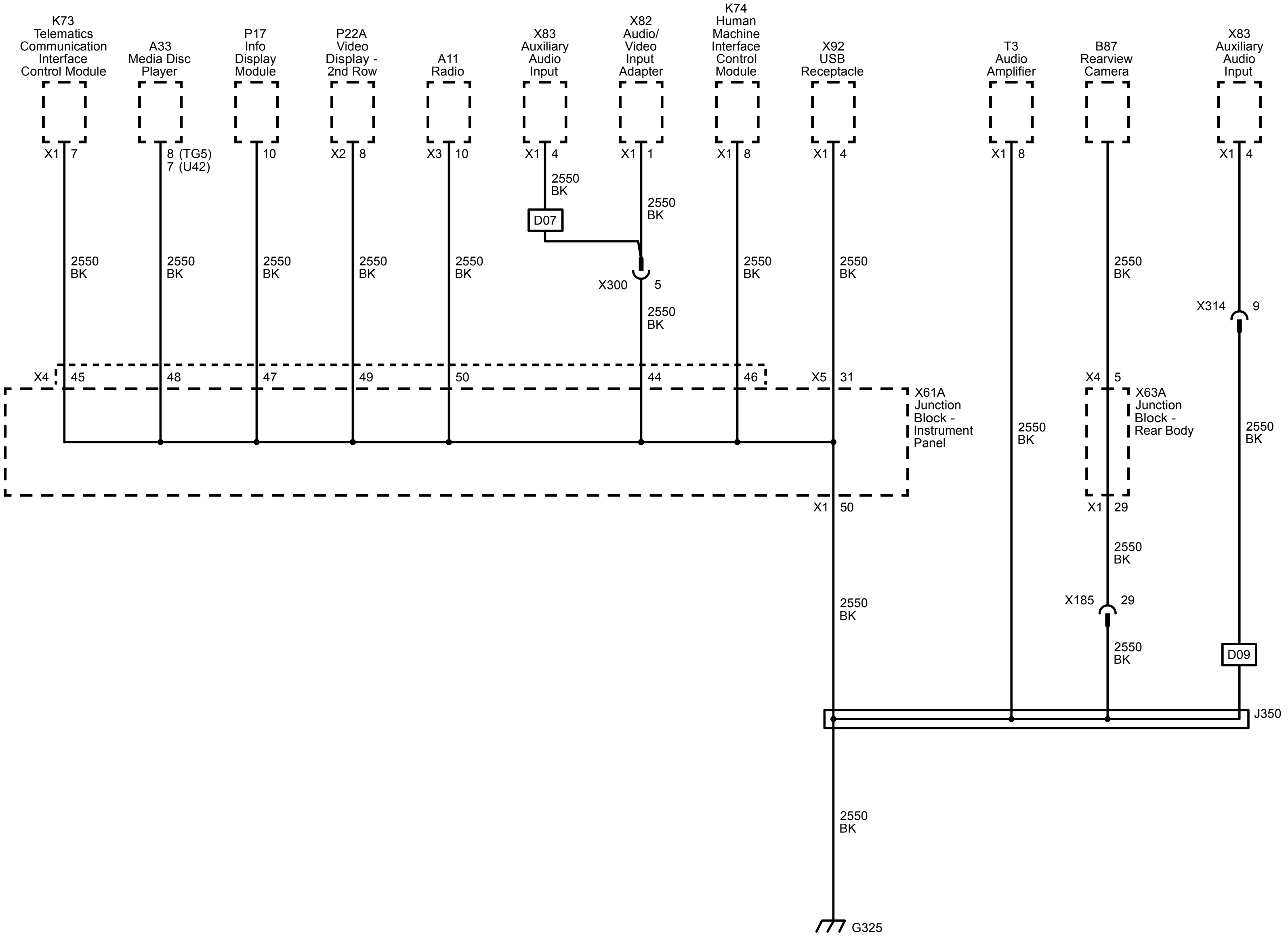
G311

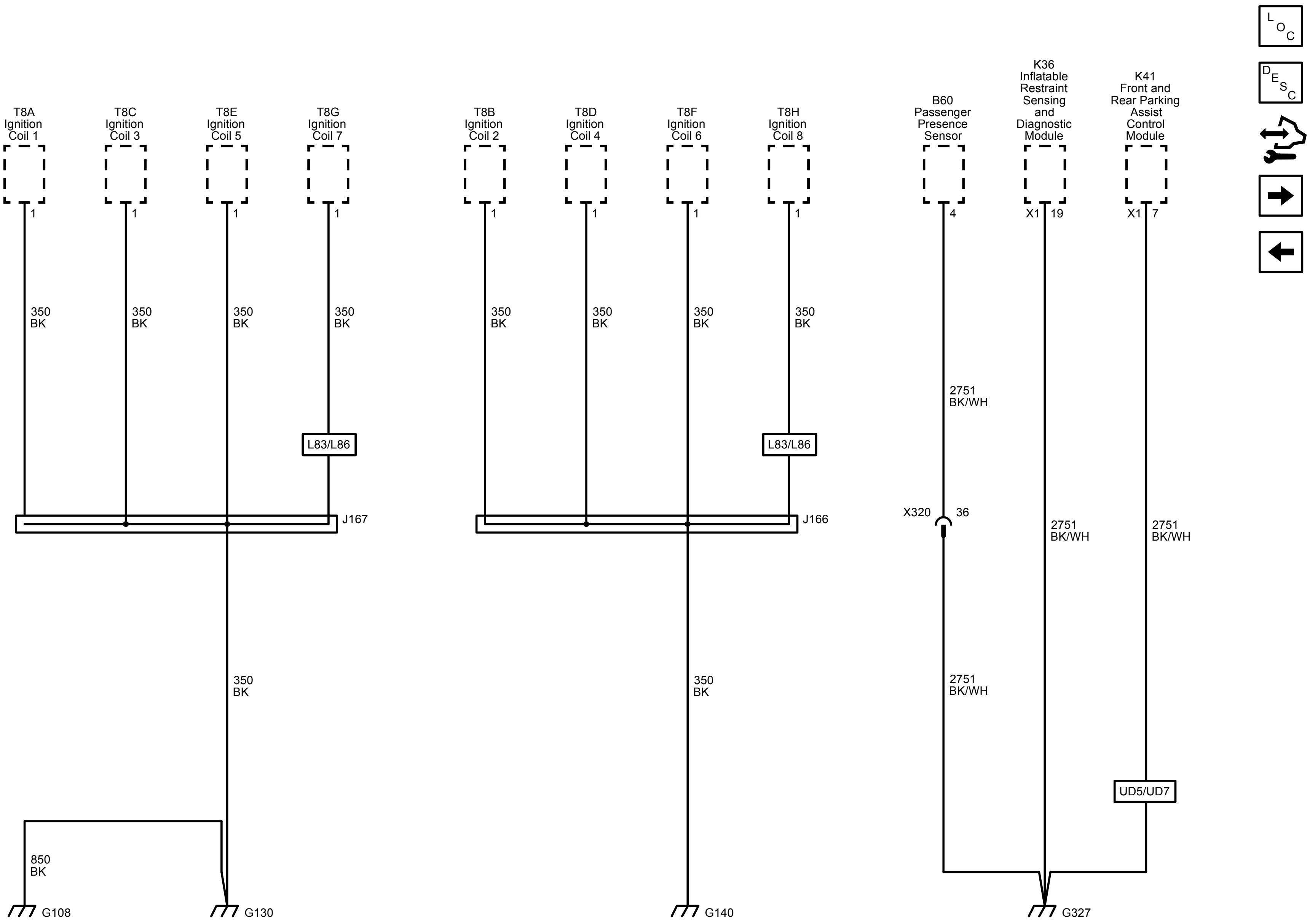

K53D Seat Blower Assembly - Driver Back
E14A Seat Heating Element - Driver Back
S64D Seat Adjuster Switch - Driver
K55D Seat Blower Assembly - Driver Cushion
E14B Seat Heating Element - Driver Cushion
A9A Outside Rearview Mirror - Driver
E17D Outside Rearview Mirror Glass - Driver
S79D Window Switch - Driver
A23D Door Latch Assembly - Driver
S13D Door Lock Switch - Driver
A23LR Door Latch Assembly - Left Rear
S79LR Window Switch - Left Rear
4
2
6 (A45)
2 (-A45)
4
2
X2
A
X3
2
1
3
1
3
3
5
1150 BK
J318
X312
5
X510
11
5
X505
23
X506
7
J313
J515
J715
X320
11
X500
2
X700
2
G311

G312


K53P Seat Blower Assembly - Passenger Back
E14C Seat Heating Element - Passenger Back
S64P Seat Adjuster Switch - Passenger
K55P Seat Blower Assembly - Passenger Cushion
E14D Seat Heating Element - Passenger Cushion
X80D Accessory Power Receptacle - Center Console Compartment
X80E Accessory Power Receptacle - Center Seat
A9B Outside Rearview Mirror - Passenger
E17P Outside Rearview Mirror Glass - Passenger
S79P Window Switch - Passenger
A23P Door Latch Assembly - Passenger
S13P Door Lock Switch - Passenger
S79RR Window Switch - Right Rear
A23RR Door Latch Assembly - Right Rear
4
2
5
4
2
C
C
1
3
1
5
3
1250 BK
X2
A
X3
2
J328
X322
3
X605
15
X610
11
5
J323
X314
16
J615
J815
X320
11
J362
X600
2
X800
2
G312

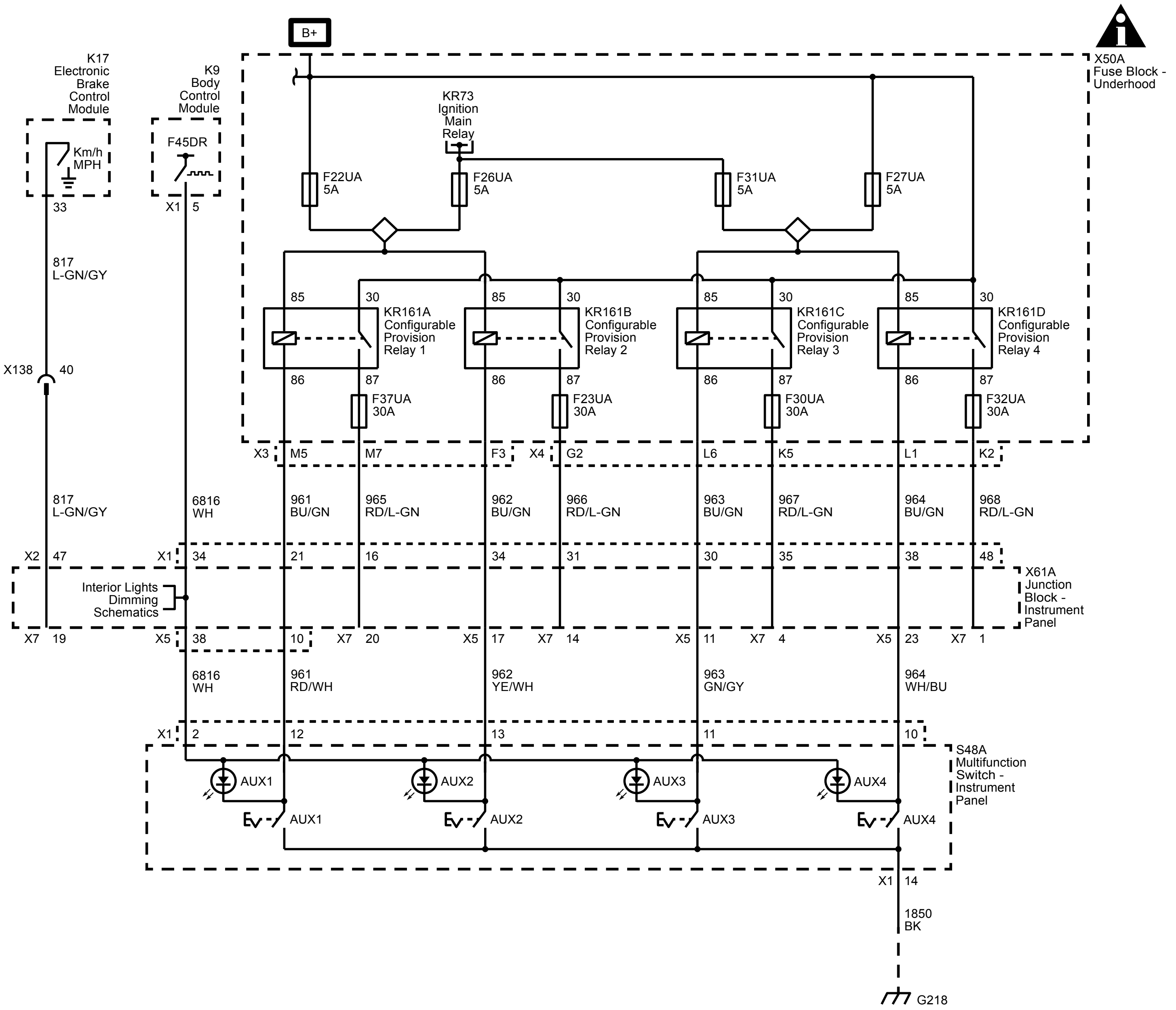
G325


K73 Telematics Communication Interface Control Module
A33 Media Disc Player
P17 Info Display Module
P22A Video Display - 2nd Row
A11 Radio
X83 Auxiliary Audio Input
X82 Audio/ Video Input Adapter
K74 Human Machine Interface Control Module
X92 USB Receptacle
T3 Audio Amplifier
B87 Rearview Camera
X83 Auxiliary Audio Input
X1 7
8 (TG5)
7 (U42)
10
X2 8
X3 10
X1 4
X1 1
X1 8
X1 4
X1 8
X1 4
2550 BK
D07
X300 5
X314 9
X4 45
48
47
49
50
44
46
X5 31
X61A Junction Block - Instrument Panel
X4 5
X63A Junction Block - Rear Body
X1 50
X1 29
X185 29
D09
J350
G325

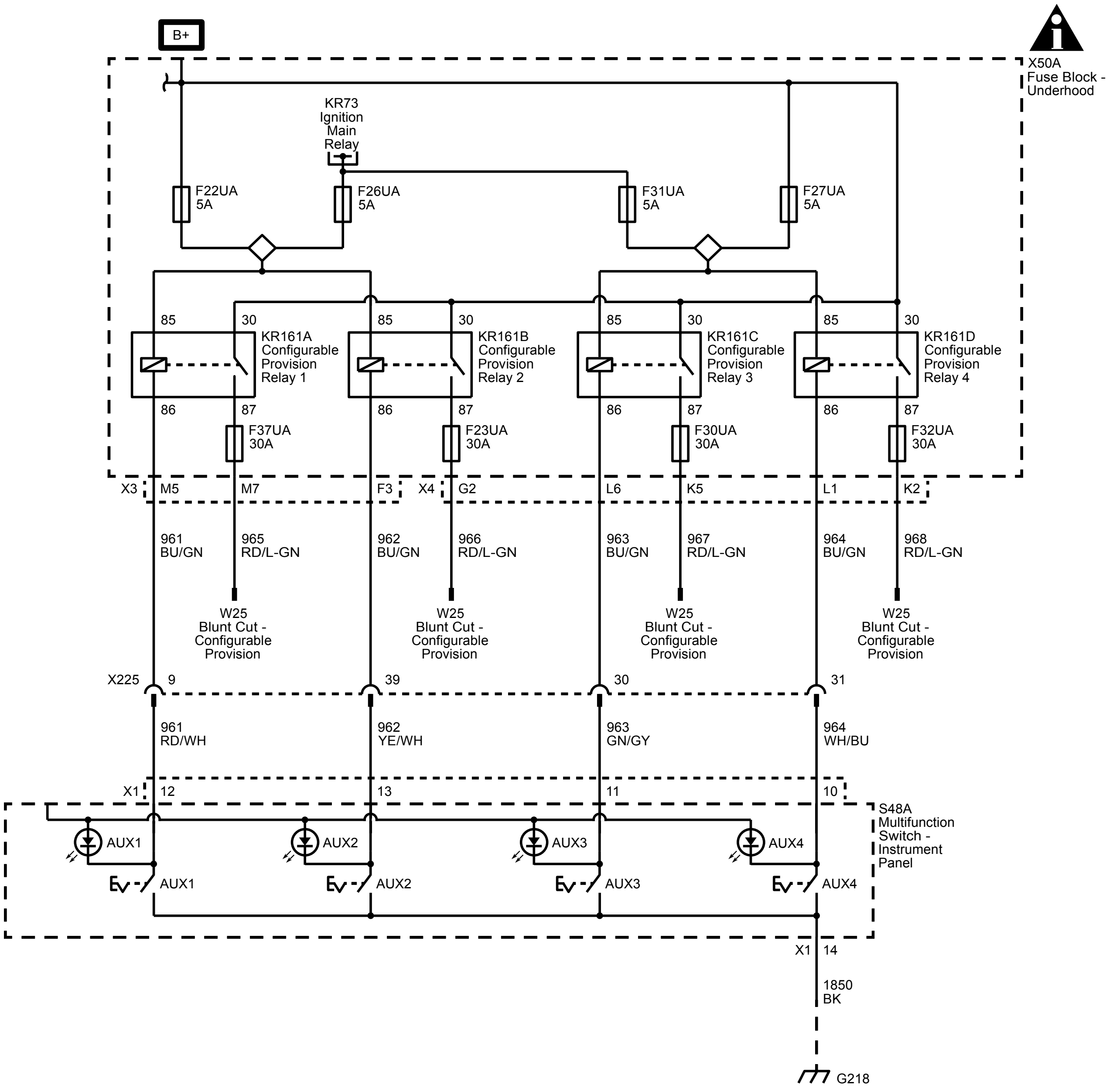

T8A Ignition Coil 1
T8C Ignition Coil 3
T8E Ignition Coil 5
T8G Ignition Coil 7
T8B Ignition Coil 2
T8D Ignition Coil 4
T8F Ignition Coil 6
T8H Ignition Coil 8
B60 Passenger Presence Sensor
K36 Inflatable Restraint Sensing and Diagnostic Module
K41 Front and Rear Parking Assist Control Module
1
4
X1 19
X1 7
350 BK
2751 BK/WH
L83/L86
J167
J166
X320 36
UD5/UD7
850 BK
G108
G130
G140
G327

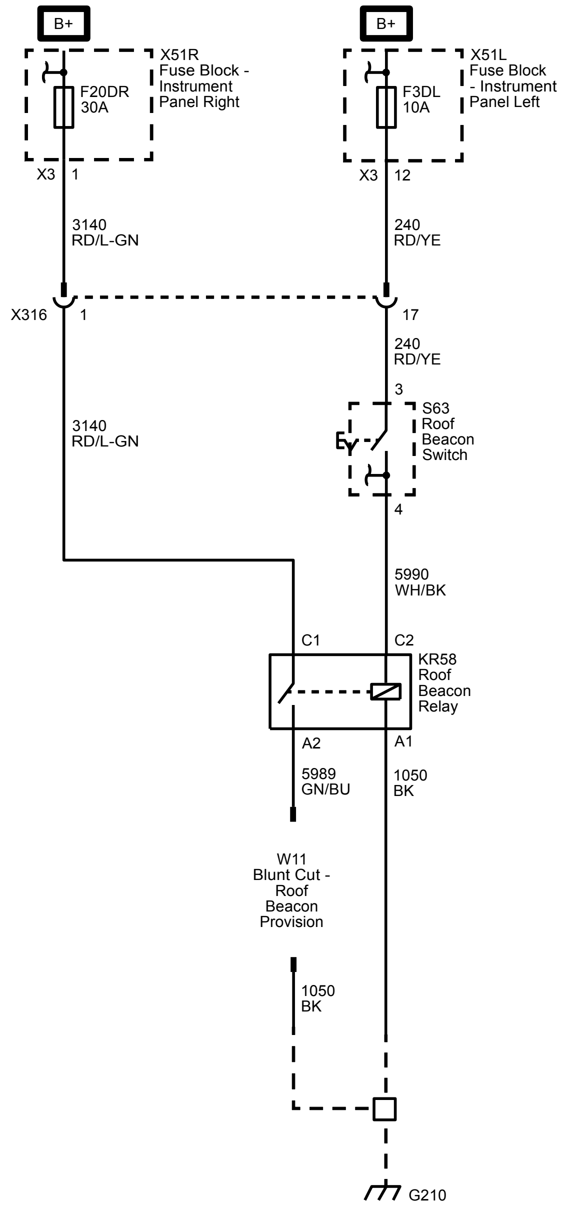
2015 CHEVROLET SILVERADO/GMC SIERRA
ELECTRICAL SECTION

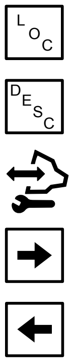
Upfitter Provisions (except E29)


B+
X50A Fuse Block - Underhood
K17 Electronic Brake Control Module
Km/h MPH
33
K9 Body Control Module
F45DR
X1 5
KR73 Ignition Main Relay
F22UA 5A
F26UA 5A
F31UA 5A
F27UA 5A
85
30
KR161A Configurable Provision Relay 1
86
87
F37UA 30A
KR161B Configurable Provision Relay 2
F23UA 30A
KR161C Configurable Provision Relay 3
F30UA 30A
KR161D Configurable Provision Relay 4
F32UA 30A
817 L-GN/GY
X138 40
X3 M5
M7
F3
X4 G2
L6
K5
L1
K2
817 L-GN/GY
6816 WH
961 BU/GN
965 RD/L-GN
962 BU/GN
966 RD/L-GN
963 BU/GN
967 RD/L-GN
964 BU/GN
968 RD/L-GN
X2 47
X1 34
21
16
34
31
30
35
38
48
X61A Junction Block - Instrument Panel
Interior Lights Dimming Schematics
X7 19
X5 38
10
X7 20
X5 17
X7 14
X5 11
X7 4
X5 23
X7 1
6816 WH
961 RD/WH
962 YE/WH
963 GN/GY
964 WH/BU
X1 2
12
13
11
10
S48A Multifunction Switch - Instrument Panel
AUX1
AUX2
AUX3
AUX4
AUX1
AUX2
AUX3
AUX4
X1 14
1850 BK
G218

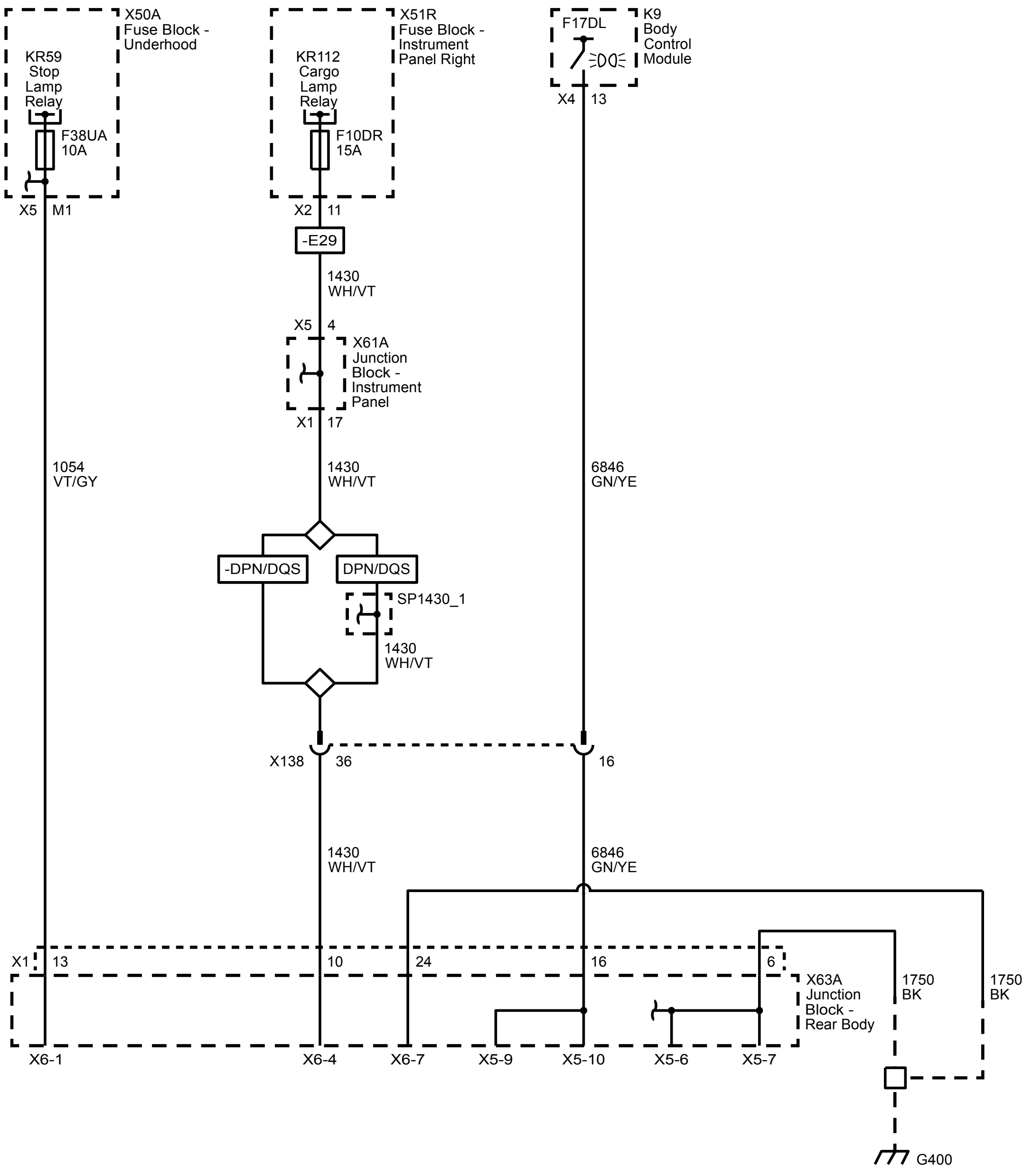
Upfitter Provisions (E29)


B+
X50A
Fuse Block -
Underhood
KR73
Ignition
Main
Relay
F22UA
5A
F26UA
5A
F31UA
5A
F27UA
5A
85
30
KR161A
Configurable
Provision
Relay 1
86
87
85
30
KR161B
Configurable
Provision
Relay 2
86
87
85
30
KR161C
Configurable
Provision
Relay 3
86
87
85
30
KR161D
Configurable
Provision
Relay 4
86
87
F37UA
30A
F23UA
30A
F30UA
30A
F32UA
30A
X3
M5
M7
F3
X4
G2
L6
K5
L1
K2
961
BU/GN
965
RD/L-GN
962
BU/GN
966
RD/L-GN
963
BU/GN
967
RD/L-GN
964
BU/GN
968
RD/L-GN
W25
Blunt Cut -
Configurable
Provision
W25
Blunt Cut -
Configurable
Provision
W25
Blunt Cut -
Configurable
Provision
W25
Blunt Cut -
Configurable
Provision
X225
9
39
30
31
961
RD/WH
962
YE/WH
963
GN/GY
964
WH/BU
X1
12
13
11
10
S48A
Multifunction
Switch -
Instrument
Panel
AUX1
AUX2
AUX3
AUX4
AUX1
AUX2
AUX3
AUX4
X1
14
1850
BK
G218

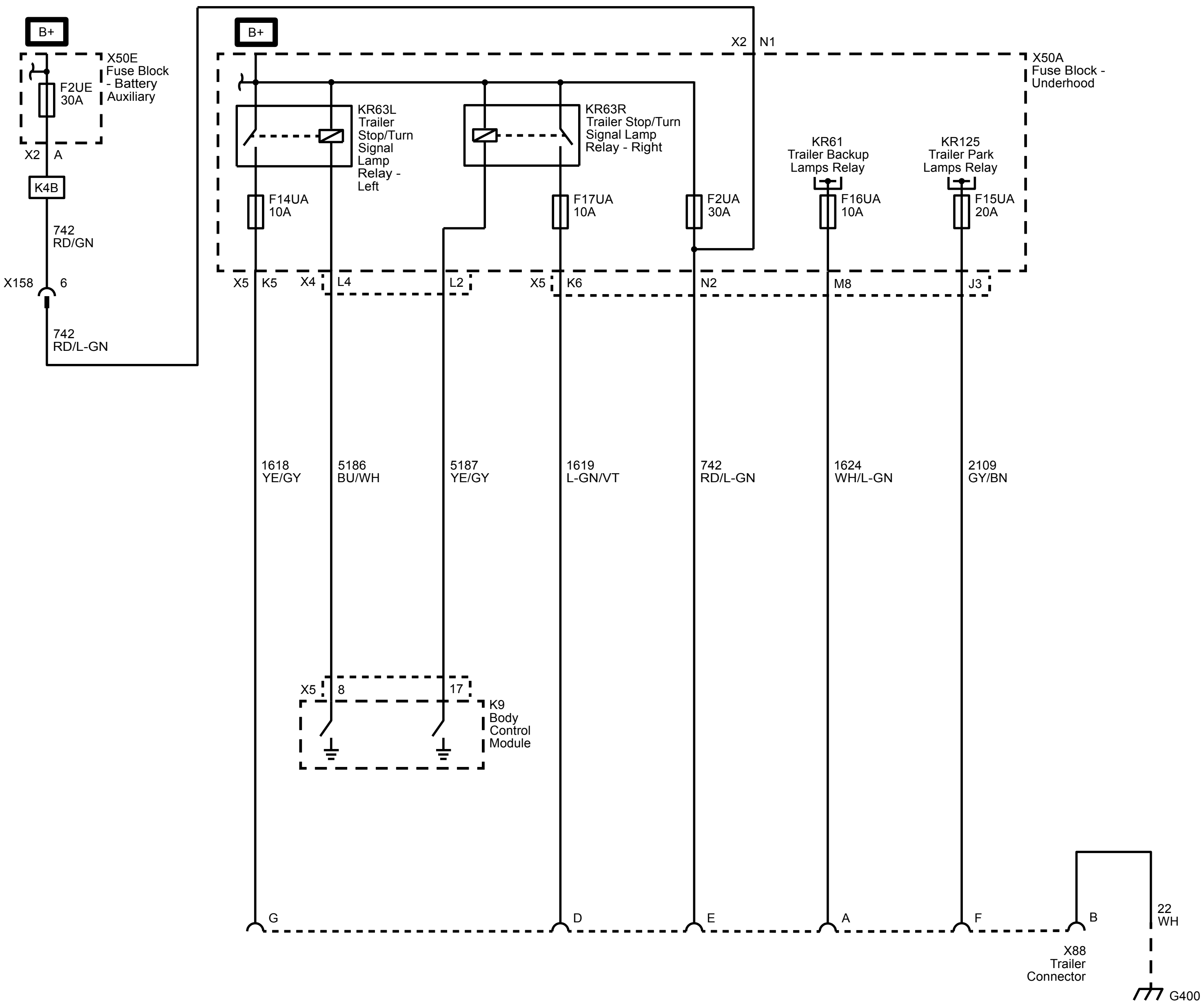

B+
B+
X51R
Fuse Block - Instrument Panel Right
F20DR
30A
X51L
Fuse Block - Instrument Panel Left
F3DL
10A
X3
1
X3
12
3140
RD/L-GN
240
RD/YE
X316
1
17
240
RD/YE
3
S63
Roof Beacon Switch
4
3140
RD/L-GN
5990
WH/BK
C1
C2
KR58
Roof Beacon Relay
A2
A1
5989
GN/BU
1050
BK
W11
Blunt Cut - Roof Beacon Provision
1050
BK
G210


LOC
DESC

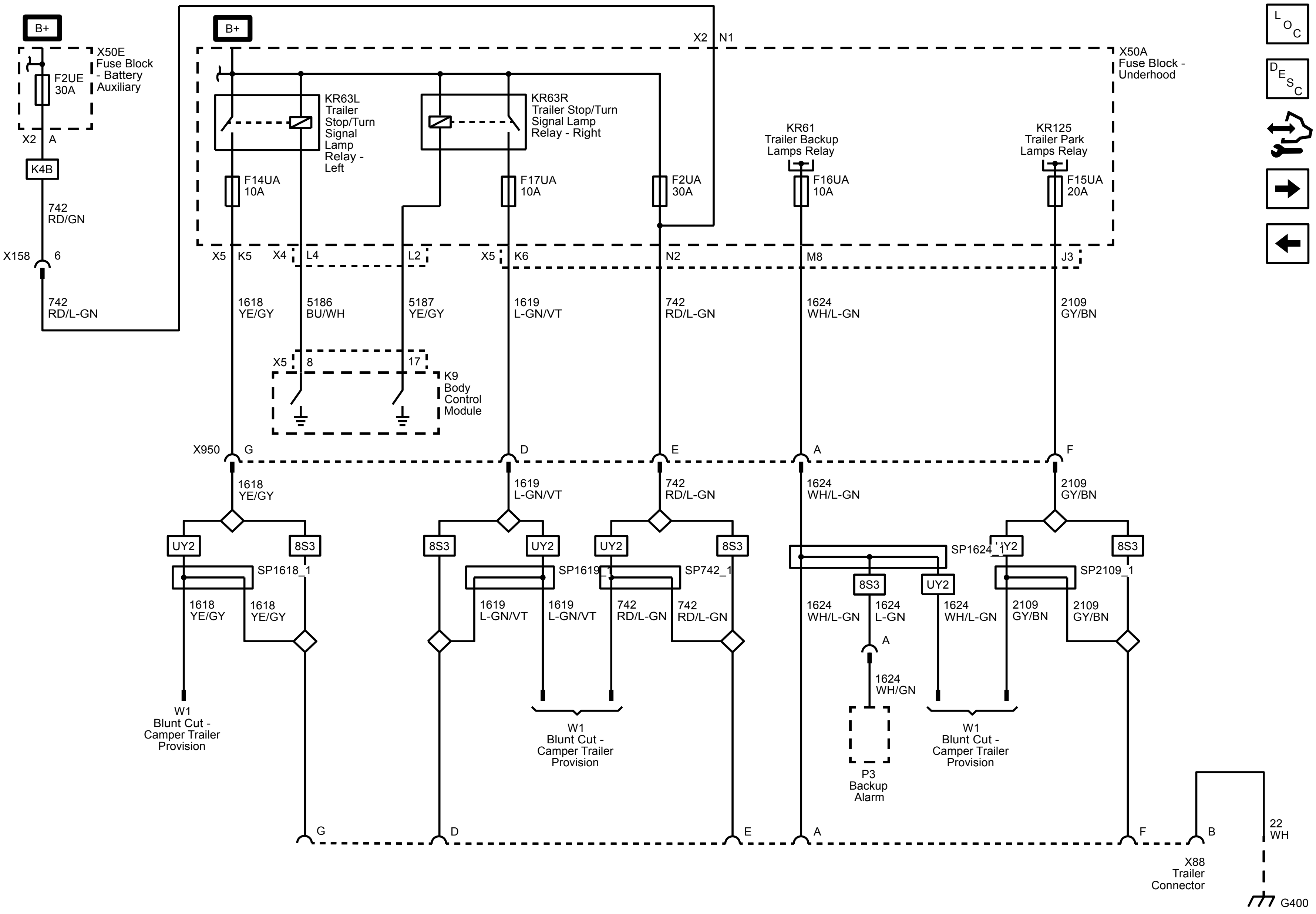
Lighting Provisions - Rear Junction Block


X50A
Fuse Block - Underhood
KR59 Stop Lamp Relay
F38UA 10A
X5
M1
X51R
Fuse Block - Instrument Panel Right
KR112 Cargo Lamp Relay
F10DR 15A
X2
11
-E29
K9
Body Control Module
F17DL
X4
13
1430
WH/VT
X5
4
X61A
Junction Block - Instrument Panel
X1
17
1054
VT/GY
1430
WH/VT
6846
GN/YE
-DPN/DQS
DPN/DQS
SP1430_1
1430
WH/VT
X138
36
16
1430
WH/VT
6846
GN/YE
X1
13
10
24
16
6
X63A
Junction Block - Rear Body
1750
BK
1750
BK
X6-1
X6-4
X6-7
X5-9
X5-10
X5-6
X5-7
G400

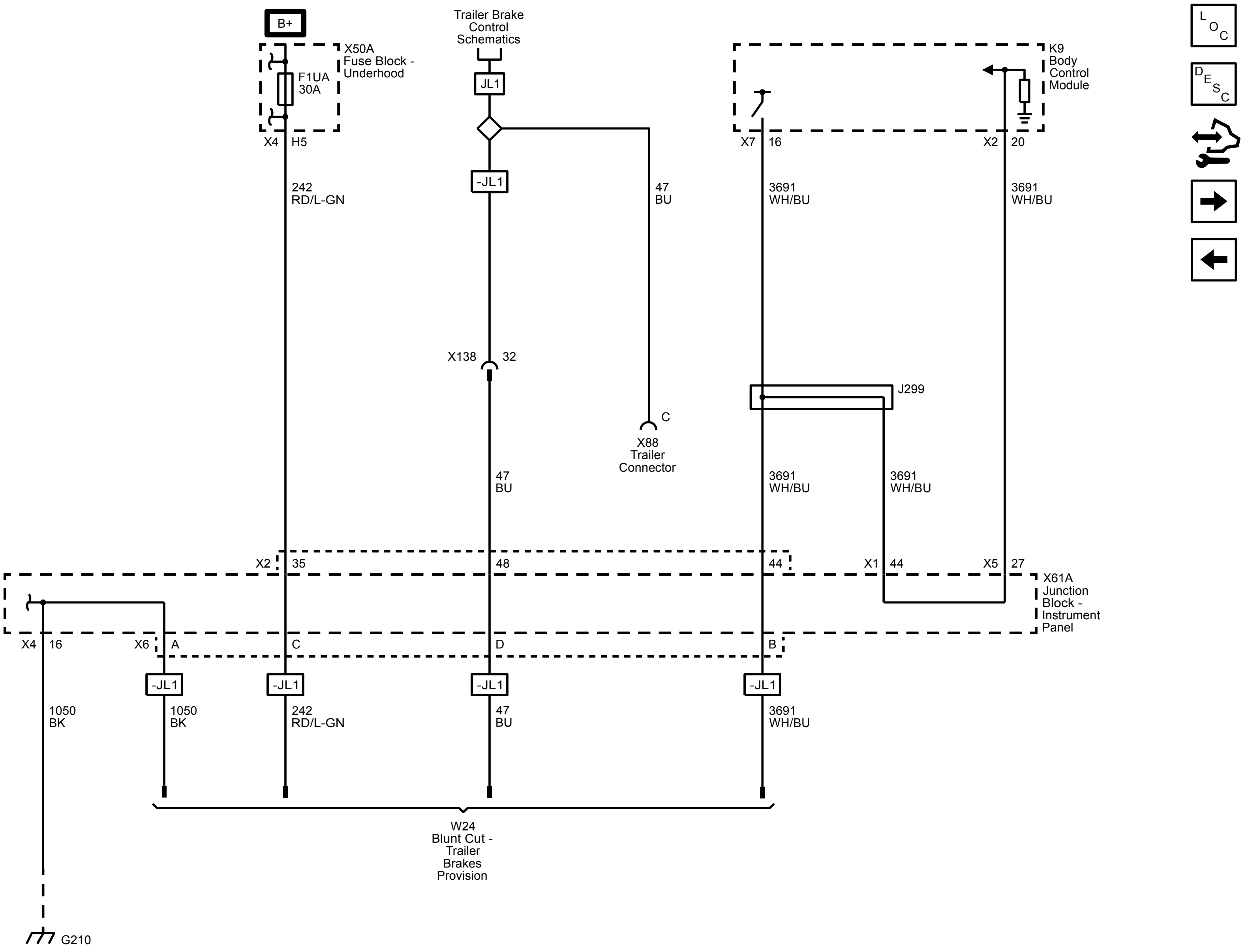
Trailer Connector Pins: A, B, D, E, F, G (Z82 without 8S3 or UY2)


B+
X50E
Fuse Block
- Battery
Auxiliary
F2UE
30A
X2
A
K4B
742
RD/GN
X158
6
742
RD/L-GN
B+
X2
N1
X50A
Fuse Block -
Underhood
KR63L
Trailer
Stop/Turn
Signal
Lamp
Relay -
Left
KR63R
Trailer Stop/Turn
Signal Lamp
Relay - Right
KR61
Trailer Backup
Lamps Relay
KR125
Trailer Park
Lamps Relay
F14UA
10A
F17UA
10A
F2UA
30A
F16UA
10A
F15UA
20A
X5
K5
X4
L4
L2
X5
K6
N2
M8
J3
1618
YE/GY
5186
BU/WH
5187
YE/GY
1619
L-GN/VT
742
RD/L-GN
1624
WH/L-GN
2109
GY/BN
X5
8
17
K9
Body
Control
Module
G
D
E
A
F
B
22
WH
X88
Trailer
Connector
G400

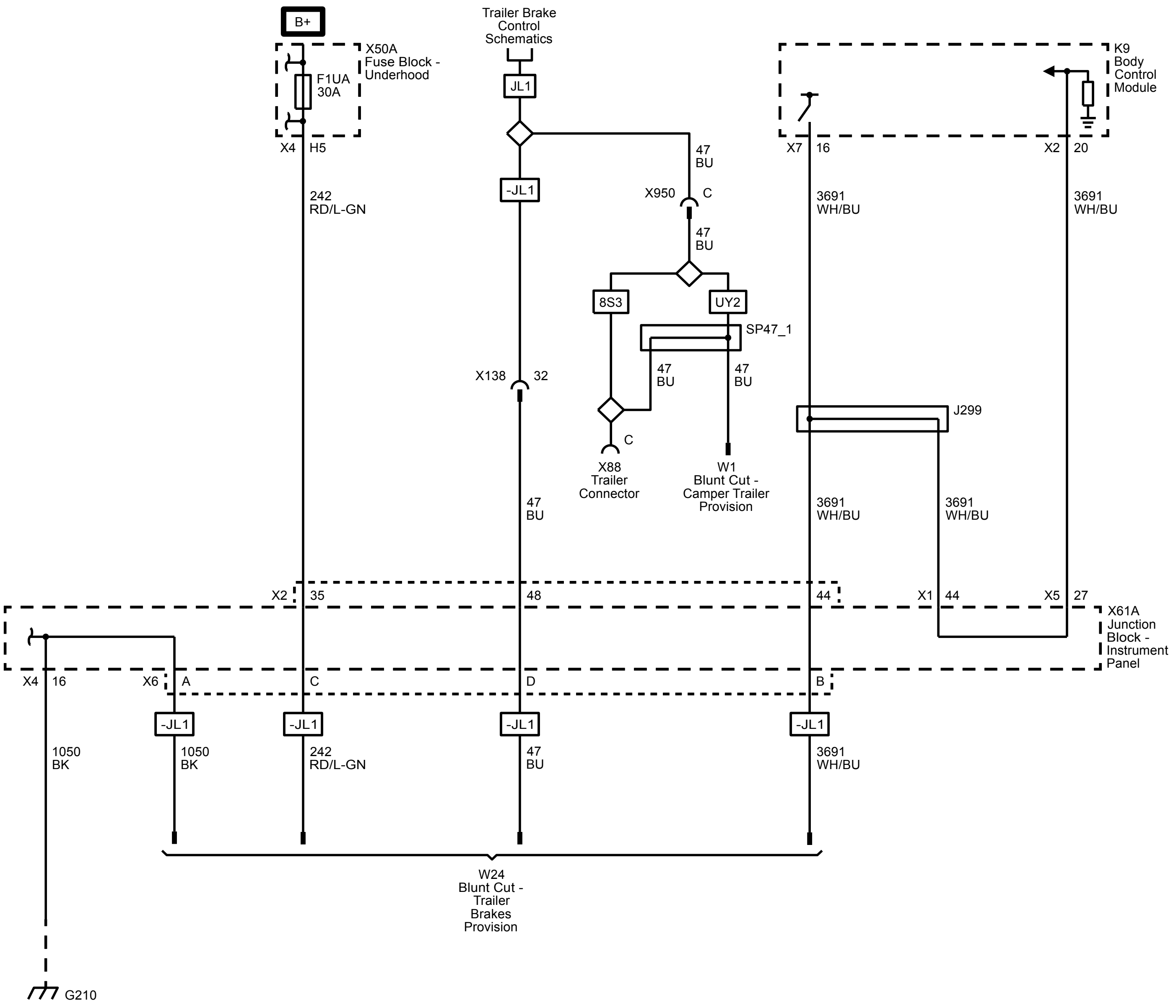
Trailer Connector Pins: A, B, D, E, F, G (Z82 with 8S3 or UY2)


B+
X50E
Fuse Block - Battery Auxiliary
F2UE
30A
X2
A
K4B
742
RD/GN
X158
6
742
RD/L-GN
B+
X2
N1
X50A
Fuse Block - Underhood
KR63L
Trailer Stop/Turn Signal Lamp Relay - Left
KR63R
Trailer Stop/Turn Signal Lamp Relay - Right
KR61
Trailer Backup Lamps Relay
KR125
Trailer Park Lamps Relay
F14UA
10A
F17UA
10A
F2UA
30A
F16UA
10A
F15UA
20A
X5
K5
X4
L4
L2
X5
K6
N2
M8
J3
1618
YE/GY
5186
BU/WH
5187
YE/GY
1619
L-GN/VT
742
RD/L-GN
1624
WH/L-GN
2109
GY/BN
X5
8
17
K9
Body Control Module
X950
G
D
E
A
F
1618
YE/GY
1619
L-GN/VT
742
RD/L-GN
1624
WH/L-GN
2109
GY/BN
UY2
8S3
8S3
UY2
UY2
8S3
UY2
8S3
SP1618_1
SP1619_1
SP742_1
SP1624_1
SP2109_1
8S3
UY2
1618
YE/GY
1618
YE/GY
1619
L-GN/VT
1619
L-GN/VT
742
RD/L-GN
742
RD/L-GN
1624
WH/L-GN
1624
L-GN
1624
WH/L-GN
2109
GY/BN
2109
GY/BN
A
1624
WH/GN
W1
Blunt Cut - Camper Trailer Provision
W1
Blunt Cut - Camper Trailer Provision
P3
Backup Alarm
W1
Blunt Cut - Camper Trailer Provision
G
D
E
A
F
B
22
WH
X88
Trailer Connector
G400

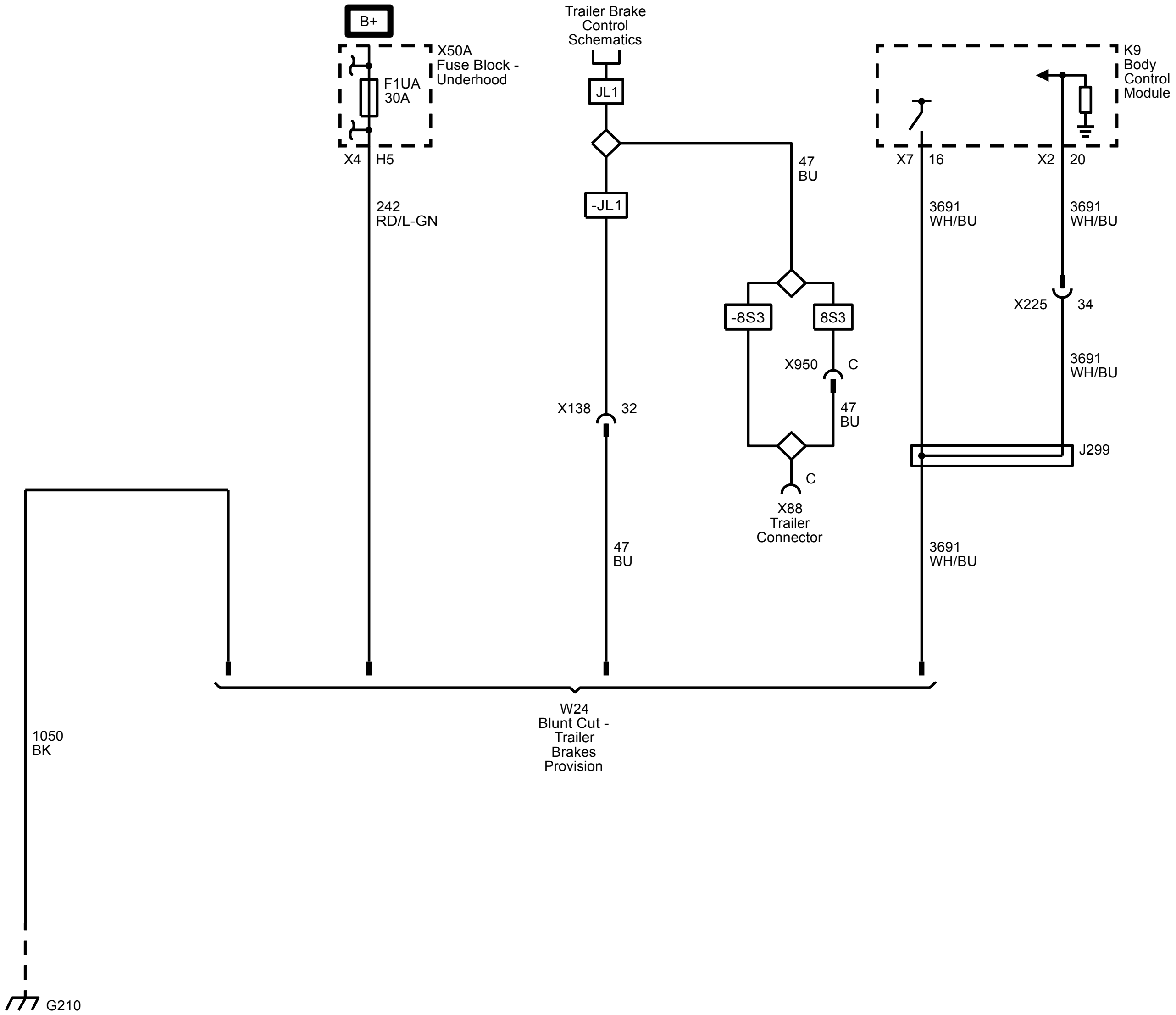
Trailer Connector Pin: C (Z82 without 8S3, E29 or UY2)


B+
X50A
Fuse Block - Underhood
F1UA
30A
X4
H5
242
RD/L-GN
Trailer Brake Control Schematics
JL1
-JL1
47
BU
X138
32
C
X88
Trailer Connector
K9
Body Control Module
X7
16
X2
20
3691
WH/BU
J299
X2
35
48
44
X1
44
X5
27
X61A
Junction Block - Instrument Panel
X4
16
X6
A
C
D
B
1050
BK
W24
Blunt Cut - Trailer Brakes Provision
G210
LOC
DESC

Trailer Connector Pin: C (Z82 with 8S3 or UY2 except E29)


B+
X50A
Fuse Block -
Underhood
F1UA
30A
X4
H5
242
RD/L-GN
Trailer Brake
Control
Schematics
JL1
-JL1
47
BU
X950
C
47
BU
8S3
UY2
SP47_1
47
BU
47
BU
X138
32
C
X88
Trailer
Connector
W1
Blunt Cut -
Camper Trailer
Provision
47
BU
K9
Body
Control
Module
X7
16
X2
20
3691
WH/BU
3691
WH/BU
J299
3691
WH/BU
3691
WH/BU
X2
35
48
44
X1
44
X5
27
X61A
Junction
Block -
Instrument
Panel
X4
16
X6
A
C
D
B
-JL1
-JL1
-JL1
-JL1
1050
BK
1050
BK
242
RD/L-GN
47
BU
3691
WH/BU
W24
Blunt Cut -
Trailer
Brakes
Provision
G210

Trailer Connector Pin: C (Z82 with E29)


B+
X50A
Fuse Block -
Underhood
F1UA
30A
X4
H5
242
RD/L-GN
Trailer Brake
Control
Schematics
JL1
-JL1
47
BU
-8S3
8S3
X950
C
47
BU
X138
32
47
BU
C
X88
Trailer
Connector
K9
Body
Control
Module
X7
16
X2
20
3691
WH/BU
3691
WH/BU
X225
34
3691
WH/BU
J299
3691
WH/BU
W24
Blunt Cut -
Trailer
Brakes
Provision
1050
BK
G210

Master Electrical Component List

Code	Name	Option	Location	Locator View	Connector End View
A6C	Fuel Pump and Level Sensor Assembly – Primary	—	Under the vehicle, mounted in the front fuel tank	—	—
A6D	Fuel Pump and Level Sensor Assembly – Secondary	—	Under the vehicle, mounted in the rear fuel tank	—	—
A7	Fuel Pump and Level Sensor Assembly	—	Under the vehicle, mounted in the fuel tank	—	*A7 Fuel Pump and Level Sensor Assembly*
A9A	Outside Rearview Mirror – Driver	—	Outside the vehicle, at the front of the driver door	—	—
A9B	Outside Rearview Mirror – Passenger	—	Outside the vehicle, at the front of the passenger door	—	—
A10	Inside Rearview Mirror	—	In the passenger compartment, at the top center of the windshield	*Headliner Components*	—
A11	Radio	—	In the passenger compartment, in the center of the Instrument Panel behind the Info Display Module	—	• *A11 Radio X2* • *A11 Radio X1* • *A11 Radio X3*
A16	Transfer Case Motor	—	Under the vehicle, mounted to the rear of the transmission	—	*A16 Transfer Case Motor*
A22	Radio Controls	—	In the passenger compartment, at the center of the Instrument Panel, part of the Info Display Module	—	—
A23D	Door Latch Assembly – Driver	—	Outside the vehicle, at the rear center of the driver door	*Driver Door Components*	*A23D Door Latch Assembly - Driver*
A23LR	Door Latch Assembly – Left Rear	—	Outside the vehicle, at the rear center of the left rear door	—	*A23LR Door Latch Assembly - Left Rear*
A23P	Door Latch Assembly – Passenger	—	Outside the vehicle, at the rear center of the passenger door	*Passenger Door Components*	—
A23RR	Door Latch Assembly – Right Rear	—	Outside the vehicle, at the rear center of the right rear door	—	*A23RR Door Latch Assembly - Right Rear*
A24D	Door Handle Assembly – Driver Exterior	—	Outside the vehicle, at the rear of the driver door	—	—
A33	Media Disc Player	—	In the passenger compartment, behind the instrument panel lower glove box	*Rear of Instrument Panel Components*	*A33 Media Disc Player*
A39	Reductant Fluid Reservoir Assembly	—	Under the vehicle, mounted to the inboard side of the frame	—	—
B1	A/C Refrigerant Pressure Sensor	—	In the engine compartment, near the left front corner of the engine	• *Left Side of Engine Components (LML)* • *Right Side of Engine Components (L96)*	*B1 A/C Refrigerant Pressure Sensor*

B5LF	Wheel Speed Sensor – Left Front	—	Outside the vehicle, part of the left front wheel hub assembly	—	*B5LF Wheel Speed Sensor - Left Front*
B5LR	Wheel Speed Sensor – Left Rear	—	Outside the vehicle, mounted to the outboard end of the left axle tube	• *Chassis Components* • *Front Axle Components*	*B5LR Wheel Speed Sensor - Left Rear*
B5RF	Wheel Speed Sensor – Right Front	—	Outside the vehicle, part of the right front wheel hub assembly	—	*B5RF Wheel Speed Sensor - Right Front*
B5RR	Wheel Speed Sensor – Right Rear	—	Outside the vehicle, mounted to the outboard end of the right axle tube	• *Front Axle Components* • *Chassis Components*	*B5RR Wheel Speed Sensor - Right Rear*
B7D	Air Temperature Sensor – Duct Left Lower	CJ2	In the passenger compartment, behind the instrument panel, on the left side of the HVAC module	—	—
B7E	Air Temperature Sensor – Duct Right Lower	CJ2	In the passenger compartment, behind the instrument panel, on the right side of the HVAC module	—	—
B7H	Air Temperature Sensor – Duct Left Upper	CJ2	In the passenger compartment, behind the instrument panel, on the upper left side of the HVAC module	—	—
B7J	Air Temperature Sensor – Duct Right Upper	CJ2	In the passenger compartment, behind the instrument panel, on the upper right side of the HVAC module	—	—
B9	Ambient Air Temperature Sensor	—	Outside the vehicle, behind the right side of the grill	• *Front of Vehicle (Chevrolet) Components* • *Front of Vehicle (GMC) Components*	*B9 Ambient Air Temperature Sensor*
B10B	Ambient Light/Sunload Sensor	—	In the passenger compartment, at the top middle of the instrument panel	—	*B10B Ambient Light/Sunload Sensor*
B14A	Transmission Output Shaft Speed Sensor	—	Under the vehicle, mounted in the transmission tailshaft housing	—	*B14A Transmission Output Shaft Speed Sensor*
B15	Transmission Internal Mode Switch	—	Under the vehicle, inside the transmission assembly	—	—
B16	Backup Lamp Switch	—	Under the vehicle, mounted to the transmission assembly	—	*B16 Backup Lamp Switch*
B18	Battery Current Sensor	—	In the engine compartment, near the battery, on the negative battery cable	—	—
B19B	Brake Booster Vacuum Sensor	—	In the engine compartment, mounted to the brake booster	*Left Side of Engine Compartment Components*	—
B20	Brake Fluid Level Switch	—	In the engine compartment, mounted in the brake fluid reservoir	—	*B20 Brake Fluid Level Switch*
B22	Brake Pedal Position Sensor	—	In the passenger compartment, in the driver side footwell, under the instrument panel	—	*B22 Brake Pedal Position Sensor*
B23	Camshaft Position Sensor	—	In the engine compartment, at the front of the engine, mounted the the timing chain cover	—	• *B23 Camshaft Position Sensor (LML)* • *B23 Camshaft Position Sensor (L96)*

B24	Cellular Phone Microphone	—	In the passenger compartment, in the left side of the overhead console	*Headliner Components*	—
B25	Clutch Pedal Position Switch	—	In the passenger compartment, in the driver side footwell, under the instrument panel	—	—
B26	Crankshaft Position Sensor	—	In the engine compartment, mounted in the side of the engine block	*Right Side of Engine Components (L96)*	• *B26 Crankshaft Position Sensor (L96)* • *B26 Crankshaft Position Sensor (LML)*
B27P	Door Handle Switch – Passenger Exterior	—	Outside the vehicle, at the rear of the passenger door	—	—
B34	Engine Coolant Temperature Sensor	—	In the engine compartment, top of the engine, left of the air intake, in the water outlet housing	*Left Side of Engine Components (L96)*	*B34 Engine Coolant Temperature Sensor (L96)*
B35	Engine Oil Level Switch	—	In the engine compartment, bottom left of the engine oil pan	—	*B35 Engine Oil Level Switch (LML)*
B37B	Engine Oil Pressure Sensor	—	In the engine compartment, at the top rear of the engine block, between the cylinder heads	*Left Side of Engine Components (L96)*	• *B37B Engine Oil Pressure Sensor (LML)* • *B37B Engine Oil Pressure Sensor (L96)*
B39	A/C Evaporator Temperature Sensor	—	In the passenger compartment, behind the instrument panel, mounted in the HVAC housing	—	—
B46	Fuel Level Sensor	—	Under the vehicle, inside the fuel tank, part of the fuel pump and level sensor assembly	—	—
B47B	Fuel Rail Pressure Sensor	—	In the engine compartment, at the top of the engine, mounted to the fuel rail	—	*B47B Fuel Rail Pressure Sensor (LML)*
B48A	Fuel Temperature Sensor 1	—	In the engine compartment, top of the engine, mounted to the left side of the fuel injection pump	—	*B48A Fuel Temperature Sensor 1 (LML)*
B52C	Heated Oxygen Sensor – Bank 1 Sensor 1	—	Under the vehicle, mounted in the bank 1 exhaust, upstream of the catalytic converter	*Exhaust Components (L96)*	*B52C Heated Oxygen Sensor - Bank 1 Sensor 1*
B52D	Heated Oxygen Sensor – Bank 1 Sensor 2	—	Under the vehicle, mounted in the bank 1 exhaust, downstream of the catalytic converter	—	*B52D Heated Oxygen Sensor - Bank 1 Sensor 2*
B52E	Heated Oxygen Sensor – Bank 2 Sensor 1	—	Under the vehicle, mounted in the bank 2 exhaust, upstream of the catalytic converter	*Exhaust Components (L96)*	*B52E Heated Oxygen Sensor - Bank 2 Sensor 1*
B52F	Heated Oxygen Sensor – Bank 2 Sensor 2	—	Under the vehicle, mounted in the bank 2 exhaust, downstream of the catalytic converter	—	*B52F Heated Oxygen Sensor - Bank 2 Sensor 2*
B55	Hood Ajar Switch	—	Outside the vehicle, at the front center of the hood, part of the hood latch assembly	*Right Side of Engine Compartment Components*	*B55 Hood Ajar Switch*
B59L	Front Impact Sensor – Left	—	In the engine compartment, at the left side of the top of the radiator core support	—	—
B59R	Front Impact Sensor – Right	—	In the engine compartment, at the right side of the top of the radiator core support	—	—
B60	Passenger Presence Sensor	—	In the passenger compartment, under the passenger seat cushion	—	*B60 Passenger Presence Sensor*

B61P	Seat Belt Tension Sensor – Passenger	—	In the passenger compartment, at the base of the B-pillar, part of the passenger seat belt retractor	—	—
B62D	Seat Position Sensor – Driver	—	In the passenger compartment, mounted to the outboard track of the driver seat	—	—
B62P	Seat Position Sensor – Passenger	—	In the passenger compartment, mounted to the outboard track of the passenger seat	—	—
B63LF	Side Impact Sensor – Left Front	—	At the left front of the passenger compartment, mounted inside the left front door, at the bottom	*Driver Door Components*	*B63LF Side Impact Sensor - Left Front*
B63LR	Side Impact Sensor – Left Rear	—	At the left rear of the passenger compartment, mounted inside the left rear door, at the bottom	—	*B63LR Side Impact Sensor - Left Rear*
B63RF	Side Impact Sensor – Right Front	—	At the right front of the passenger compartment, mounted inside the right front door, at the bottom	*Passenger Door Components*	—
B63RR	Side Impact Sensor – Right Rear	—	At the right rear of the passenger compartment, mounted inside the right rear door, at the bottom	—	*B63RR Side Impact Sensor - Right Rear*
B68A	Knock Sensor 1	—	In the engine compartment, on the rear of the engine, below the cylinder head	—	*B68A Knock Sensor 1*
B68B	Knock Sensor 2	—	In the engine compartment, on the rear of the engine, below the cylinder head	*Right Side of Engine Components (L96)*	*B68B Knock Sensor 2*
B74	Manifold Absolute Pressure Sensor	—	In the engine compartment, mounted to the intake manifold	—	• *B74 Manifold Absolute Pressure Sensor (LML)* • *B74 Manifold Absolute Pressure Sensor (L96)*
B75B	Mass Air Flow/Intake Air Temperature Sensor	—	In the engine compartment, in air intake tube, near the air filter housing	• *Left Side of Engine Components (LML)* • *Left Side of Engine Components (L96)*	*B75B Mass Air Flow/Intake Air Temperature Sensor*
B75C	Multifunction Intake Air Sensor	—	In the engine compartment, in air intake tube, near the air filter housing	—	*B75C Multifunction Intake Air Sensor*
B77LF	Radio Volume Compensator Interior Noise Microphone – Left Front	NKC	In the passenger compartment, at the left front of the headliner	*Headliner Components*	—
B77R	Radio Volume Compensator Interior Noise Microphone – Rear	NKC	In the passenger compartment, at the rear center of the headliner	—	—
B77RF	Radio Volume Compensator Interior Noise Microphone – Right Front	NKC	In the passenger compartment, at the right front of the headliner	*Headliner Components*	—
B78A	Front Object Sensor – Left Outer	UD5	Outside the vehicle, mounted to the left side of the front bumper	—	*B78A Front Object Sensor - Left Outer*
B78B	Front Object Sensor – Right Outer	UD5	Outside the vehicle, mounted to the right side of the front bumper	*Front of Vehicle (Chevrolet) Components*	*B78B Front Object Sensor - Right Outer*
B78C	Front Object Sensor – Left Middle	UD5	Outside the vehicle, mounted to the left middle of the front bumper	—	*B78C Front Object Sensor - Left Middle*

B78D	Front Object Sensor – Right Middle	UD5	Outside the vehicle, mounted to the right middle of the front bumper	• *Front of Vehicle (Chevrolet) Components* • *Front of Vehicle (GMC) Components*	*B78D Front Object Sensor - Right Middle*
B78E	Rear Object Sensor – Left Middle	UD7	Outside the vehicle, mounted to the left middle of the rear bumper	—	*B78E Rear Object Sensor - Left Middle*
B78F	Rear Object Sensor – Right Middle	UD7	Outside the vehicle, mounted to the right middle of the rear bumper	*Rear of Vehicle Components*	*B78F Rear Object Sensor - Right Middle*
B78G	Rear Object Sensor – Left Outer	UD7	Outside the vehicle, mounted to the left side of the rear bumper	—	*B78G Rear Object Sensor - Left Outer*
B78H	Rear Object Sensor – Right Outer	UD7	Outside the vehicle, mounted to the right side of the rear bumper	*Rear of Vehicle Components*	*B78H Rear Object Sensor - Right Outer*
B80	Park Brake Switch	—	In the passenger compartment, at the left side of the Driver Footwell	—	*B80 Park Brake Switch*
B81B	Park Position Switch	—	In the passenger compartment, on the steering column near the base of the shifter	—	—
B87	Rearview Camera	—	Outside the vehicle, at the top middle of the tailgate, mounted in the tailgate handle	—	—
B88D	Seat Belt Switch – Driver	—	In the passenger compartment, at the inboard side of the driver seat, part of the seat belt buckle	—	—
B88P	Seat Belt Switch – Passenger	—	In the passenger compartment, at the inboard side of the passenger seat, part of the seat belt buckle	—	—
B99	Steering Wheel Angle Sensor	—	In the passenger compartment, at the top of the steering column, behind the steering wheel	—	—
B107	Accelerator Pedal Position Sensor	—	In the passenger compartment, in the driver side footwell, under the intstrument panel	—	*B107 Accelerator Pedal Position Sensor*
B112	Turbocharger Vane Position Sensor	—	In the engine compartment, on the top rear center of the engine	—	*B112 Turbocharger Vane Position Sensor (LML)*
B116	Water in Fuel Sensor	—	In the engine compartment, at the right rear of the engine, mounted in the bottom of the fuel filter	*Underbody Components (LML)*	*B116 Water in Fuel Sensor (LML)*
B118B	Windshield Washer Fluid Level Switch	—	Outside the vehicle, at the left front corner of the vehicle, below the headlight assembly, in the washer fluid reservoir	—	*B118B Windshield Washer Fluid Level Switch*
B130A	Exhaust Gas Recirculation Temperature Sensor 1	LML	In the engine compartment, on the top right rear of the engine	—	*B130A Exhaust Gas Recirculation Temperature Sensor 1 (LML)*
B130B	Exhaust Gas Recirculation Temperature Sensor 2	LML	In the engine compartment, on the top left middle of the engine	—	*B130B Exhaust Gas Recirculation Temperature Sensor 2 (LML)*
B131A	Exhaust Temperature Sensor 1	LML	In the engine compartment, on the right rear of the engine, mounted on top of the exhaust pipe	—	*B131A Exhaust Temperature Sensor 1 (LML)*
B131B	Exhaust Temperature Sensor 2	LML	Under the vehicle, on left side, behind the catalytic converter	—	—
B131C	Exhaust Temperature Sensor 3	LML	Under the vehicle, attached to the exhaust pipe, at the middle of the diesel particulate filter	*Chassis Components*	*B131C Exhaust Temperature Sensor 3 (LML)*

B131E	Exhaust Temperature Sensor 5	LML	Under the vehicle, attached to the exhaust pipe, near the rear of the diesel particulate filter	—	*B131E Exhaust Temperature Sensor 5 (LML)*
B150	Fuel Tank Pressure Sensor	—	Under the vehicle, at the top of the fuel tank	*Chassis Components*	*B150 Fuel Tank Pressure Sensor*
B153D	Seat Belt Buckle – Driver	—	In the passenger compartment, at the inboard side of the drive seat	—	—
B153P	Seat Belt Buckle – Passenger	—	In the passenger compartment, at the inboard side of the passenger seat	—	—
B154	Diesel Particulate Filter Exhaust Differential Pressure Sensor	LML	Under the vehicle, mounted to the frame, near the diesel particulate filter	*Chassis Components*	*B154 Diesel Particulate Filter Exhaust Differential Pressure Sensor (LML)*
B192	Throttle Inlet Absolute Pressure Sensor	—	Right front of the engine compartment, on the throttle body	—	*B192 Throttle Inlet Absolute Pressure Sensor*
B193A	Charge Air Cooler Inlet Temperature Sensor	LML	In the engine compartment, mounted in the air inlet tube, near the air cleaner	—	*B193A Charge Air Cooler Inlet Temperature Sensor (LML)*
B193B	Charge Air Cooler Outlet Temperature Sensor	LML	In the engine compartment, mounted in the air inlet tube, near the throttle body	—	—
B194	Reductant Pressure Sensor	LML	Under the vehicle, mounted in the reductant fluid reservoir assembly	—	—
B195A	Nitrogen Oxides Sensor 1	LML	In the engine compartment, attached to the exhaust pipe, on the top left rear side of the engine	*Chassis Components*	*B195A Nitrogen Oxides Sensor 1 (LML)*
B195B	Nitrogen Oxides Sensor 2	LML	Under the vehicle, attached to the exhaust pipe, at the middle of the diesel particulate filter	—	—
B198	Fuel Composition Sensor	—	Undet the vehicle, mounted to the left side of the frame	—	—
B212	Reductant Sensor Module	LML	Under the vehicle, above the reductant tank	—	—
B215	Fuel Filter Pressure Switch	LML	In the engine compartment, on the middle right side of the engine	—	*B215 Fuel Filter Pressure Switch (LML)*
B227	Gear Position Sensor	—	Under the vehicle, mounted to the transfer case	—	—
B229	Alternative Fuel Rail Pressure/Temperature Sensor	LC8	In the engine compartment, on top of the engine, mounted to the left bank alternative fuel rail, facing towards the front of the vehicle.	—	—
C1B	Battery – Auxiliary	—	In the engine compartment, at the left front corner, forward of the underhood fuse block	—	—
C1	Battery	—	In the engine compartment, at the right rear corner	*Right Side of Engine Compartment Components*	—
E1AA	Floor Accent Lamp – Left Front	—	In the passenger compartment, at the to of the left front footwell	—	—
E1AB	Floor Accent Lamp – Right Front	—	In the passenger compartment, at the top of the right front footwell	—	—
E1C	Accent Lamp – Driver Door Handle	—	In the passenger compartment, in the left front door handle pocket	—	*E1C Accent Lamp - Driver Door Handle*
E1L	Accent Lamp – Overhead Console	—	In the passenger compartment, at the front of the headliner, in the overhead console	—	*E1L Accent Lamp - Overhead Console*

E1M	Accent Lamp – Passenger Door Handle	—	In the passenger compartment, in the right front door handle pocket	—	*E1M Accent Lamp - Passenger Door Handle*
E2A	Marker Lamp – Endgate	—	Outside the vehicle, at the bottom middle of the tailgate	—	*E2A Marker Lamp - Endgate*
E2LF	Side Marker Lamp – Left Front	—	Outside the vehicle, at the left front corner, mounted in the left headlight assembly	—	—
E2LR	Side Marker Lamp – Left Rear	Z88	Outside the vehicle, at the left rear corner, mounted in the left tail light assembly	—	—
E2RF	Side Marker Lamp – Right Front	—	Outside the vehicle, at the right front corner, mounted in the right headlight assembly	—	—
E2RR	Side Marker Lamp – Right Rear	Z88	Outside the vehicle, at the right rear corner, mounted in the right tail light assembly	—	—
E4AA	Park Lamp – Lower Left	—	Outside the vehicle, at the left front corner, mounted in the left headlight assembly	—	—
E4C	Daytime Running Lamp – Left	GMC with SLT	Outside the vehicle, at the left front corner, mounted in the left headlight assembly	*Front of Vehicle (GMC) Components*	—
E4D	Daytime Running Lamp – Right	GMC with SLT	Outside the vehicle, at the right front corner, mounted in the right headlight assembly	—	—
E4E	Headlamp – Left High Beam	X88	Outside the vehicle, at the left front corner, mounted in the left headlight assembly	*Front of Vehicle (Chevrolet) Components*	—
E4F	Headlamp – Right High Beam	X88	Outside the vehicle, at the right front corner, mounted in the right headlight assembly	—	—
E4G	Headlamp – Left Low Beam	—	Outside the vehicle, at the left front corner, mounted in the left headlight assembly	• *Front of Vehicle (Chevrolet) Components* • *Front of Vehicle (GMC) Components*	—
E4H	Headlamp – Right Low Beam	—	Outside the vehicle, at the right front corner, mounted in the right headlight assembly	—	—
E4J	Park Lamp – Left Front	—	Outside the vehicle, at the left front corner, mounted in the left headlight assembly	*Front of Vehicle (GMC) Components*	—
E4K	Park Lamp – Right Front	—	Outside the vehicle, at the right front corner, mounted in the right headlight assembly	—	—
E4LF	Turn Signal Lamp – Left Front	—	Outside the vehicle, at the left front corner, mounted in the left headlight assembly	—	—
E4N	Park/Turn Signal Lamp – Left	Z88	Outside the vehicle, at the left front corner, mounted in the left headlight assembly	*Front of Vehicle (GMC) Components*	—
E4P	Park/Turn Signal Lamp – Right	Z88	Outside the vehicle, at the right front corner, mounted in the right headlight assembly	—	—
E4Q	Park/Turn Signal Lamp – Left Lower	X88	Outside the vehicle, at the left front corner, mounted in the left headlight assembly	*Front of Vehicle (Chevrolet) Components*	—
E4R	Park/Turn Signal Lamp – Right Lower	X88	Outside the vehicle, at the right front corner, mounted in the right headlight assembly	—	—
E4RF	Turn Signal Lamp – Right Front	—	Outside the vehicle, at the right front corner, mounted in the right headlight assembly	—	—

E4S	Park/Turn Signal Lamp – Left Upper	X88	Outside the vehicle, at the left front corner, mounted in the left headlight assembly	*Front of Vehicle (Chevrolet) Components*	—
E4T	Park/Turn Signal Lamp – Right Upper	X88	Outside the vehicle, at the right front corner, mounted in the right headlight assembly	—	—
E4Y	Turn Signal Repeater Lamp – Left	—	Outside the vehicle, at the front of the driver door, part of the outside rearview mirror	—	—
E4Z	Turn Signal Repeater Lamp – Right	—	Outside the vehicle, at the front of the passenger door, part of the outside rearview mirror	—	—
E5A	Backup Lamp – Left	—	Outside the vehicle, at the left rear corner, mounted in the left tail light assembly	*Rear of Vehicle Components*	—
E5AG	Tail/Stop and Turn Signal Lamp – Left Upper	—	Outside the vehicle, at the left rear corner, mounted in the left tail light assembly	—	—
E5AH	Tail/Stop and Turn Signal Lamp – Right Upper	—	Outside the vehicle, at the right rear corner, mounted in the right tail light assembly	*Rear of Vehicle Components*	—
E5AL	Tail Lamp – Right Outer	—	Outside the vehicle, at the right rear corner, mounted in the right tail light assembly	—	—
E5B	Backup Lamp – Right	—	Outside the vehicle, at the right rear corner, mounted in the right tail light assembly	*Rear of Vehicle Components*	—
E5E	Tail Lamp – Left	—	Outside the vehicle, at the left rear corner, mounted in the left tail light assembly	—	—
E5F	Tail Lamp – Right	—	Outside the vehicle, at the right rear corner, mounted in the right tail light assembly	—	—
E5U	Tail/Stop and Turn Signal Lamp – Left Lower	—	Outside the vehicle, at the left rear corner, mounted in the left tail light assembly	*Rear of Vehicle Components*	—
E5V	Tail/Stop and Turn Signal Lamp – Right Lower	—	Outside the vehicle, at the right rear corner, mounted in the right tail light assembly	—	—
E6	Center High Mounted Stop Lamp	—	Outside the vehicle, at the top center of the rear window	*Rear of Vehicle Components*	—
E7L	License Plate Lamp – Left	—	Outside the vehicle, mounted in the middle of the rear bumper	—	*E7L License Plate Lamp - Left*
E7R	License Plate Lamp – Right	—	Outside the vehicle, mounted in the middle of the rear bumper	*Rear of Vehicle Components*	*E7R License Plate Lamp - Right*
E8YD	Outside Rearview Mirror Courtesy Lamp – Driver	—	Outside the vehicle, at the front of the driver door, part of the outside rearview mirror	—	—
E8YP	Outside Rearview Mirror Courtesy Lamp – Passenger	—	Outside the vehicle, at the front of the passenger door, part of the outside rearview mirror	—	—
E13LA	Headlamp Assembly – Left	—	Outside the vehicle, at the left front corner	—	—
E13RA	Headlamp Assembly – Right	—	Outside the vehicle, at the right front corner	—	—
E14A	Seat Heating Element – Driver Back	—	In the passenger compartment, in the driver seat back	—	—
E14B	Seat Heating Element – Driver Cushion	—	In the passenger compartment, in the driver seat cushion	—	—

E14C	Seat Heating Element – Passenger Back	—	In the passenger compartment, in the passenger seat back	—	—
E14D	Seat Heating Element – Passenger Cushion	—	In the passenger compartment, in the passenger seat cushion	—	—
E15	Steering Wheel Heater	—	In the passenger compartment, part of the steering wheel	—	—
E17D	Outside Rearview Mirror Glass – Driver	—	Outside the vehicle, at the front of the driver door, part of the outside rearview mirror	—	—
E17P	Outside Rearview Mirror Glass – Passenger	—	Outside the vehicle, at the front of the passenger door, part of the outside rearview mirror	—	—
E18	Rear Defogger Grid	—	At the rear of the passenger compartment, part of the rear window glass	*Rear of Vehicle Components*	*E18 Rear Defogger Grid*
E28	Center Console Compartment Lamp	—	In the passenger compartment, between the front seats, inside the center console storage bin	—	*E28 Center Console Compartment Lamp*
E29LF	Fog Lamp – Left Front	T3U	Outside the vehicle, at the left front corner, in the front bumper, below the headlight assembly	• *Front of Vehicle (Chevrolet) Components* • *Front of Vehicle (GMC) Components*	*E29LF Fog Lamp - Left Front*
E29RF	Fog Lamp – Right Front	T3U	Outside the vehicle, at the right front corner, in the front bumper, below the headlight assembly	—	*E29RF Fog Lamp - Right Front*
E31L	Sunshade Mirror Lamp – Left	—	In the passenger compartment, at the left front of the headliner	*Headliner Components*	—
E31R	Sunshade Mirror Lamp – Right	—	In the passenger compartment, at the right front of the headliner	—	—
E33L	Cargo Lamp – Left	—	Outside the vehicle, beneath the top of the left side of the bed	—	—
E33R	Cargo Lamp – Right	—	Outside the vehicle, beneath the top of the right side of the bed	—	—
E37B	Dome/Reading Lamps – 2nd Row	—	In the passenger compartment, near the center of the headliner	*Headliner Components*	—
E37EL	Dome/Reading Lamps – Front Overhead Console Left	—	In the passenger compartment, at the left side of the overhead console	—	*E37EL Dome/Reading Lamps - Front Overhead Console Left*
E37ER	Dome/Reading Lamps – Front Overhead Console Right	—	In the passenger compartment, at the right side of the overhead console	*Headliner Components*	*E37ER Dome/Reading Lamps - Front Overhead Console Right*
E42L	Tail Lamp Assembly – Left	—	Outside the vehicle, at the left rear corner of the vehicle	—	—
E42R	Tail Lamp Assembly – Right	—	Outside the vehicle, at the right rear corner of the vehicle	—	—
E52	Reductant Line Heater	LML	Under the vehicle, above the reductant tank	—	—
E53	Reductant Tank Heater	LML	Under the vehicle, inside the reductant tank	—	—
F101	Passenger Instrument Panel Air Bag	—	In the passenger compartment, behind the instrument panel upper glove box	*Rear of Instrument Panel Components*	*F101 Passenger Instrument Panel Air Bag*

F105L	Roof Rail Air Bag – Left	—	In the passenger compartment, along the left side of the headliner	—	—
F105R	Roof Rail Air Bag – Right	—	In the passenger compartment, along the right side of the headliner	*Roof Rail Air Bags*	—
F106D	Seat Side Air Bag – Driver	—	In the passenger compartment, in the outboard side of the driver seat back	—	—
F106P	Seat Side Air Bag – Passenger	—	In the passenger compartment, in the outboard side of the passenger seat back	—	—
F107	Steering Wheel Air Bag	—	In the passenger compartment, mounted to the middle of the steeing wheel	—	—
F112D	Seat Belt Retractor Pretensioner – Driver	—	In the passenger compartment, at the base of the driver side B-pillar	—	*F112D Seat Belt Retractor Pretensioner - Driver*
F112P	Seat Belt Retractor Pretensioner – Passenger	—	In the passenger compartment, at the base of the passenger side B-pillar	—	*F112P Seat Belt Retractor Pretensioner - Passenger*
F113D	Seat Belt Anchor Pretensioner – Driver	—	In the passenger compartment, mounted to the outboard driver seat track	—	—
F113P	Seat Belt Anchor Pretensioner – Passenger	—	In the passenger compartment, mounted to the outboard passenger seat track	—	—
G1	A/C Compressor	—	In the engine compartment, mounted on the lower front of the engine	—	—
G12	Fuel Pump	—	Under the vehicle, in the fuel tank, part of the fuel pump and level sensor assembly	—	*G12 Fuel Pump*
G13	Generator	—	In the engine compartment, at the top left front of the engine	*Left Side of Engine Components (L96)*	*G13 Generator X2*
G24	Windshield Washer Pump	—	In the engine compartment, attached to the washer fluid reservoir, below the left headlamp assembly	—	*G24 Windshield Washer Pump*
G33	Reductant Pump	LML	Under the vehicle, above the reductant tank	—	—
K9	Body Control Module	—	In the passenger compartment, behind the driver side of the instrument panel, outboard of the steering column	*Rear of Instrument Panel Components*	• *K9 Body Control Module X5* • *K9 Body Control Module X2* • *K9 Body Control Module X1* • *K9 Body Control Module X6* • *K9 Body Control Module X7* • *K9 Body Control Module X4*
K17	Electronic Brake Control Module	—	Under the vehicle, mounted to the left side of the frame rail	—	*K17 Electronic Brake Control Module*
K20	Engine Control Module	—	In the engine compartment, left front of the engine, near the underhood fuse block	*Left Side of Engine Compartment Components*	• *K20 Engine Control Module X2 (LML)* • *K20 Engine Control Module X3 (LML)* • *K20 Engine Control Module X3 (L96)* • *K20 Engine Control Module X1 (LML)* • *K20 Engine Control Module X2 (L96)* • *K20 Engine Control Module X1 (L96)*

K29	Seat Heating Control Module	—	In the passenger compartment, under the front of the driver seat	—	—
K32	Steering Wheel Heating Control Module	UVD	In the passenger compartment, in the steering wheel, behind the driver air bag	—	—
K33	HVAC Control Module	—	In the passenger compartment, behind the passenger side of the instrument panel, above the hush panel	—	—
K34	Glow Plug Control Module	LML	In the engine compartment, mounted to the top of the engine	—	*K34 Glow Plug Control Module (LML)*
K36	Inflatable Restraint Sensing and Diagnostic Module	—	In the passenger compartment, bolted to the floor between the front seats	—	• *K36 Inflatable Restraint Sensing and Diagnostic Module X1* • *K36 Inflatable Restraint Sensing and Diagnostic Module X2*
K38	Chassis Control Module	—	Under the vehicle, mounted to the bracket above the spare tire	*Chassis Components*	—
K40	Seat Memory Control Module	A45	In the passenger compartment, under the driver seat	—	—
K41	Front and Rear Parking Assist Control Module	UD5 or UD7	In the passenger compartment, bolted to the passenger side of the rear wall, behind the rear seat	—	• *K41 Front and Rear Parking Assist Control Module X2* • *K41 Front and Rear Parking Assist Control Module X1* • *K41 Front and Rear Parking Assist Control Module X3*
K44	Power Take-Off Control Module	PTO	Under the vehicle, mounted to the passenger side of the frame	*Underbody Components (LML)*	• *K44 Power Take-Off Control Module X2* • *K44 Power Take-Off Control Module X1*
K53D	Seat Blower Assembly – Driver Back	KB6	In the passenger compartment, in the driver seat back	—	—
K53P	Seat Blower Assembly – Passenger Back	KB6	In the passenger compartment, in the passenger seat cback	—	—
K55D	Seat Blower Assembly – Driver Cushion	KB6	In the passenger compartment, in the driver seat cushion	—	—
K55P	Seat Blower Assembly – Passenger Cushion	KB6	In the passenger compartment, in the passenger seat cushion	—	—
K69	Transfer Case Control Module	—	In the passenger compartment, bolted to the bulkhead at the right side of the driver footwell	—	• *K69 Transfer Case Control Module X3* • *K69 Transfer Case Control Module X1* • *K69 Transfer Case Control Module X2*
K71	Transmission Control Module	—	In the engine compartment, mounted to the left side of the engine cooling fan shroud	—	*K71 Transmission Control Module*

K73	Telematics Communication Interface Control Module	—	In the passenger compartment, in the middle of the instrument panel, behind the info display module	*Rear of Instrument Panel Components*	- *K73 Telematics Communication Interface Control Module X1* - *K73 Telematics Communication Interface Control Module X2*
K74	Human Machine Interface Control Module	—	In the passenger compartment, behind the passenger side of the instrument panel, above the hush panel	—	—
K77	Remote Control Door Lock Receiver	—	In the passenger compartment, at the top center of the windshield	—	—
K85	Passenger Presence Module	—	In the passenger compartment, in the passenger seat cushion	—	—
K89	Immobilizer Control Module	—	In the passenger compartment, on the driver side, near the ignition cylinder	—	—
K109	Frontview Camera Module	Y65	In the passenger compartment, behind the inside rearview mirror	*Headliner Components*	—
K111	Fuel Pump Driver Control Module	—	Under the vehicle, mounted to the bracket above the spare tire	—	—
K119	CNG Control Module	LC8	In the engine compartment, mounted to a bracket that is mounted to the bottom of the battery tray, on the left front of the engine compartment	—	—
K130	Fuel Pump Disable Control Module	LC8	In the engine compartment, mounted to a bracket that is mounted to the bottom of the battery tray, on the left front of the engine compartment	—	—
K133	Trailer Brake Power Control Module	—	Under the vehicle, mounted to the bracket above the spare tire	—	—
K163D	Seat Control Module – Driver	—	In the passenger compartment, mounted to the bottom of the driver seat	—	—
M4	Air Inlet Door Actuator	—	In the passenger compartment, behind the instrument panel glove box	—	—
M5	Adjustable Pedal Motor	—	In the passenger compartment, part of the accelerator pedal bracket assembly	—	*M5 Adjustable Pedal Motor*
M6L	Air Temperature Door Actuator – Left	—	In the passenger compartment, part of HVAC module, behind the instrument panel	—	—
M6R	Air Temperature Door Actuator – Right	CJ2	In the passenger compartment, part of HVAC module, behind the instrument panel	—	—
M7	Transmission Shift Lock Control Solenoid Actuator	—	In the passenger compartment, right side of the steering wheel, attached to transmission shift lever	—	—
M8	Blower Motor	—	In the passenger compartment, under the rigth side of the instrument panel, above the hush panel	—	—
M14A	Door Lock Actuator – Endgate	—	Outside the vehicle, at the top middle of the tailgate	—	—
M14LR	Door Lock Actuator – Left Rear	—	In the passenger compartment, in the rear middle of the left rear door	—	—

M14P	Door Lock Actuator – Passenger	—	In the passenger compartment, in the rear middle of the right rear door	—	—
M26	Front Axle Engagement Actuator	—	Under the vehicle, mounted to the front axle	*Front Axle Components*	—
M28L	High Beam Solenoid Actuator – Left	Z88	Outside the vehicle, at the left front corner, part of the headlight assembly	—	—
M28R	High Beam Solenoid Actuator – Right	Z88	Outside the vehicle, at the right front corner, part of the headlight assembly	—	—
M37L	Mode Door Actuator – Left	—	In the passenger compartment, behind the left side of the instrument panel, on the upper left side of the HVAC module	—	—
M50D	Seat Front Vertical Motor – Driver	—	In the passenger compartment, under the driver seat	—	—
M50P	Seat Front Vertical Motor – Passenger	—	In the passenger compartment, under the passenger seat	—	—
M51D	Seat Horizontal Motor – Driver	—	In the passenger compartment, under the driver seat	—	—
M51P	Seat Horizontal Motor – Passenger	—	In the passenger compartment, under the passenger seat	—	—
M52D	Seat Lumbar Support Horizontal Motor – Driver	—	In the passenger compartment, in the driver seat back	—	—
M52P	Seat Lumbar Support Horizontal Motor – Passenger	—	In the passenger compartment, in the passenger seat back	—	—
M54D	Seat Lumbar Support Vertical Motor – Driver	—	In the passenger compartment, in the driver seat back	—	—
M54P	Seat Lumbar Support Vertical Motor – Passenger	—	In the passenger compartment, in the passenger seat back	—	—
M55D	Seat Rear Vertical Motor – Driver	—	In the passenger compartment, under the driver seat	—	—
M55P	Seat Rear Vertical Motor – Passenger	—	In the passenger compartment, under the passenger seat	—	—
M56D	Seat Recline Motor – Driver	—	In the passenger compartment, in the driver seat back	—	—
M56P	Seat Recline Motor – Passenger	—	In the passenger compartment, in the passenger seat back	—	—
M63	Sliding Rear Window Motor	A48	In the passenger compartment, mounted the the passenger side of the rear wall, behind the rear seat	—	*M63 Sliding Rear Window Motor*
M64	Starter Motor	—	In the engine compartment, mounted to the rear of the engine block	• *Right Side of Engine Components (L96)* • *Underbody Components (LML)*	*M64 Starter Motor X1*
M69	Sunroof Motor	CF5	In the passenger compartment, at the front of the roof, above the headliner	—	—
M74D	Window Motor – Driver	—	In the passenger compartment, in the driver door	*Driver Door Components*	*M74D Window Motor - Driver*

M74LR	Window Motor – Left Rear	except Regular Cab	In the passenger compartment, in the left rear door	—	M74LR Window Motor - Left Rear
M74P	Window Motor – Passenger	—	In the passenger compartment, in the passenger door	Passenger Door Components	—
M74RR	Window Motor – Right Rear	except Regular Cab	In the passenger compartment, in the right rear door	—	M74RR Window Motor - Right Rear
M75	Windshield Wiper Motor	—	Outside the vehicle, at the left rear of the engine compartment, below the left lower corner of the windshield	Left Side of Engine Compartment Components	M75 Windshield Wiper Motor
M77D	Outside Rearview Mirror Motor – Driver	—	Outside the vehicle, at the front of the driver door, part of the outside rearview mirror	—	—
M77P	Outside Rearview Mirror Motor – Passenger	—	Outside the vehicle, at the front of the passenger door, part of the outside rearview mirror	—	—
M78D	Outside Rearview Mirror Folding Motor – Driver	DL3	Outside the vehicle, at the front of the driver door, part of the outside rearview mirror	—	—
M78P	Outside Rearview Mirror Folding Motor – Passenger	DL3	Outside the vehicle, at the front of the passenger door, part of the outside rearview mirror	—	—
P12	Horn	—	In the engine compartment, at the left side of the radiator core support	Left Side of Engine Compartment Components	P12 Horn
P14	Passenger Air Bag Disabled Indicator	—	In the passenger compartment, at the front of the roof, in the overhead console	—	P14 Passenger Air Bag Disabled Indicator
P16	Instrument Cluster	—	In the passenger compartment, in the driver side of the instrument panel	Front of Instrument Panel Components	P16 Instrument Cluster
P17	Info Display Module	—	In the passenger compartment, at the center of the instrument panel	—	• P17 Info Display Module X1 • P17 Info Display Module X2
P19AC	Speaker – Subwoofer	UQA	In the passenger compartment, under the instrument panel, at the front of the center console	—	P19AC Speaker - Subwoofer
P19AG	Speaker – Left Front Door	—	In the passenger compartment, in the driver door	Driver Door Components	P19AG Speaker - Left Front Door
P19AH	Speaker – Right Front Door	—	In the passenger compartment, in the passenger door	—	—
P19AL	Speaker – Left Rear Door	except Regular Cab	In the passenger compartment, in the left rear door	Left Rear Door Components	P19AL Speaker - Left Rear Door
P19AM	Speaker – Right Rear Door	except Regular Cab	In the passenger compartment, in the right rear door	—	P19AM Speaker - Right Rear Door
P19AN	Speaker – Left Rear Trim Panel	Regular Cab	In the passenger compartment, at the left rear corner of the cab, near the driver seat headrest	—	P19AN Speaker - Left Rear Trim Panel
P19AP	Speaker – Right Rear Trim Panel	Regular Cab	In the passenger compartment, at the right rear corner of the cab, near the passenger seat headrest	—	P19AP Speaker - Right Rear Trim Panel
P19J	Speaker – Left Instrument Panel	UQ3	In the passenger compartment, in the top of the left side of the instrument panel	Front of Instrument Panel Components	P19J Speaker - Left Instrument Panel
P19W	Speaker – Right Instrument Panel	UQ3	In the passenger compartment, in the top of the right side of the instrument panel	—	P19W Speaker - Right Instrument Panel

P22A	Video Display – 2nd Row	U42	In the passenger compartment, near the center of the headliner	*Headliner Components*	—
P43	Collision Alert Indicators	Y65	In the passenger compartment, in the top of the instrument panel, near the windshield, in front of the driver	—	*P43 Collision Alert Indicators*
P45LR	Seat Haptic Movement Motor – Driver Left Rear	Y65	In the passenger compartment, in the left side of the driver seat cushion	—	—
P45RR	Seat Haptic Movement Motor – Driver Right Rear	Y65	In the passenger compartment, in the right side of the driver seat cushion	—	—
Q2	A/C Compressor Clutch	—	In the engine compartment, at the front of the A/C compressor	• *Right Side of Engine Components (L96)* • *Left Side of Engine Components (LML)*	*Q2 A/C Compressor Clutch*
Q6	Camshaft Position Actuator Solenoid Valve	—	In the engine compartment, at the front right side of the engine	—	*Q6 Camshaft Position Actuator Solenoid Valve*
Q8	Control Solenoid Valve Assembly	—	Under the vehicle, inside the transmission assembly	—	*Q8 Control Solenoid Valve Assembly X1*
Q12	Evaporative Emission Purge Solenoid Valve	—	In the engine compartment, at the top middle rear of the engine	*Left Side of Engine Components (L96)*	*Q12 Evaporative Emission Purge Solenoid Valve*
Q13	Evaporative Emission Vent Solenoid Valve	—	On the underbody, at the top leftt side of the fuel tank	—	*Q13 Evaporative Emission Vent Solenoid Valve*
Q14	Exhaust Gas Recirculation Valve	—	In the engine compartment, on the top left middle of the engine	—	*Q14 Exhaust Gas Recirculation Valve (LML)*
Q17A	Fuel Injector 1	—	In the engine compartment, in the cylinder head above cylinder 1	*Left Side of Engine Components (L96)*	• *Q17A Fuel Injector 1 (LML)* • *Q17A Fuel Injector 1 (L96)*
Q17B	Fuel Injector 2	—	In the engine compartment, in the cylinder head above cylinder 2	—	• *Q17B Fuel Injector 2 (LML)* • *Q17B Fuel Injector 2 (L96)*
Q17C	Fuel Injector 3	—	In the engine compartment, in the cylinder head above cylinder 3	*Left Side of Engine Components (L96)*	• *Q17C Fuel Injector 3 (LML)* • *Q17C Fuel Injector 3 (L96)*
Q17D	Fuel Injector 4	—	In the engine compartment, in the cylinder head above cylinder 4	—	• *Q17D Fuel Injector 4 (LML)* • *Q17D Fuel Injector 4 (L96)*
Q17E	Fuel Injector 5	—	In the engine compartment, in the cylinder head above cylinder 5	• *Left Side of Engine Components (LML)* • *Left Side of Engine Components (L96)*	• *Q17E Fuel Injector 5 (L96)* • *Q17E Fuel Injector 5 (LML)*
Q17F	Fuel Injector 6	—	In the engine compartment, in the cylinder head above cylinder 6	—	• *Q17F Fuel Injector 6 (LML)* • *Q17F Fuel Injector 6 (L96)*

Q17G	Fuel Injector 7	—	In the engine compartment, in the cylinder head above cylinder 7	• *Left Side of Engine Components (L96)* • *Left Side of Engine Components (LML)*	• *Q17G Fuel Injector 7 (L96)* • *Q17G Fuel Injector 7 (LML)*
Q17H	Fuel Injector 8	—	In the engine compartment, in the cylinder head above cylinder 8	—	• *Q17H Fuel Injector 8 (L96)* • *Q17H Fuel Injector 8 (LML)*
Q18A	Fuel Pressure Regulator 1	LML	In the engine compartment, mounted on top of the fuel injection pump	—	—
Q23	Line Pressure Control Solenoid Valve	—	Under the vehicle, inside the transmission assembly	—	—
Q38	Throttle Body	—	In the engine compartment, at the top of the engine, mounted to the intake manifold inlet	*Right Side of Engine Components (L96)*	• *Q38 Throttle Body (L96)* • *Q38 Throttle Body (LML)*
Q43	Valve Lifter Oil Manifold Assembly	—	In the engine compartment, mounted in the valve lifter valley below the intake manifold	—	—
Q44	Engine Oil Pressure Control Solenoid Valve	—	In the engine compartment, at the front of the engine, behind the front cover	—	—
Q46	A/C Compressor Solenoid Valve	—	In the front of the engine compartment, part of the compressor assembly	• *Right Side of Engine Components (L96)* • *Left Side of Engine Components (LML)*	*Q46 A/C Compressor Solenoid Valve*
Q47	Exhaust Gas Recirculation Cooler Bypass Solenoid Valve	LML	In the engine compartment, on the top right rear of the engine	—	*Q47 Exhaust Gas Recirculation Cooler Bypass Solenoid Valve (LML)*
Q61	Reductant Injector	LML	Under the vehicle, attached to the exhaust pipe, near the rear of the catalytic converter	*Underbody Components (LML)*	*Q61 Reductant Injector (LML)*
Q62	Reductant Purge Solenoid Valve	LML	Under the vehicle, above the reductant tank	—	—
Q67	Exhaust Aftertreatment Fuel Injector	LML	In the engine compartment, on the right rear side of the engine, above fuel injector 5	—	*Q67 Exhaust Aftertreatment Fuel Injector (LML)*
Q68A	CNG Cut-Off Solenoid Valve 1	LC8	Underneath the vehicle, part of the CNG pressure regulator	—	—
Q68B	CNG Cut-Off Solenoid Valve 2	LC8	In the CNG tank box, part of the CNG Fuel Tank Assembly	—	—
Q70A	Alternative Fuel Injector 1	LC8	In the engine compartment, near the left side engine rocker cover above cylinder number 1	—	—
Q70B	Alternative Fuel Injector 2	LC8	In the engine compartment, near the right side engine rocker cover above cylinder number 2	—	—
Q70C	Alternative Fuel Injector 3	LC8	In the engine compartment, near the left side engine rocker cover above cylinder number 3	—	—
Q70D	Alternative Fuel Injector 4	LC8	In the engine compartment, near the right side engine rocker cover above cylinder number 4	—	—
Q70E	Alternative Fuel Injector 5	LC8	In the engine compartment, near the left side engine rocker cover above cylinder number 5	—	—

Q70F	Alternative Fuel Injector 6	LC8	In the engine compartment, near the right side engine rocker cover above cylinder number 6	—	—
Q70G	Alternative Fuel Injector 7	LC8	In the engine compartment, near the left side engine rocker cover above cylinder number 7	—	—
Q70H	Alternative Fuel Injector 8	LC8	In the engine compartment, near the right side engine rocker cover above cylinder number 8	—	—
R6A	Terminating Resistor – High Speed Bus	—	Under the vehicle, near the left frame rail, above the spare tire, taped in the chassis harness	—	*R6A Terminating Resistor - High Speed Bus*
S5	Center Console Compartment Lamp Switch	—	In the passenger compartment, under the center console compartment lid	—	*S5 Center Console Compartment Lamp Switch*
S12	Dome Lamp Switch	—	In the passenger compartment, near the center of the headliner, part of the dome lamp	—	*S12 Dome Lamp Switch*
S13D	Door Lock Switch – Driver	—	In the passenger compartment, in the driver door handle trim panel	*Driver Door Components*	*S13D Door Lock Switch - Driver*
S13P	Door Lock Switch – Passenger	—	In the passenger compartment, in the passenger door handle trim panel	—	*S13P Door Lock Switch - Passenger*
S16	Driver Information Center Switch	—	In the passenger compartment, in the center of the I/P, between the instrument cluster and the air vents	—	—
S25	Garage Door Opener	—	In the passenger compartment, in the overhead console	*Headliner Components*	*S25 Garage Door Opener*
S30	Headlamp Switch	—	In the passenger compartment, left of the steering column	—	*S30 Headlamp Switch*
S31D	Seat Heating and Cooling Switch – Driver	—	In the passenger compartment, on driver side of the HVAC controls	*Front of Instrument Panel Components*	*S31D Seat Heating and Cooling Switch - Driver*
S31P	Seat Heating and Cooling Switch – Passenger	—	In the passenger compartment, on passenger side of the HVAC controls	—	*S31P Seat Heating and Cooling Switch - Passenger*
S33	Horn Switch	—	In the passenger compartment, in the center of the steering wheel, behind the driver side air bag	—	—
S39	Ignition Switch	—	In the passenger compartment, behind the steering wheel, on the right side of the steering column	—	—
S47D	Seat Memory Switch – Driver	A45	In the passenger compartment, on the driver door panel above the driver door switch assembly	—	*S47D Seat Memory Switch - Driver*
S48A	Multifunction Switch – Instrument Panel	—	In the passenger compartment, near the center of the instrument panel	*Front of Instrument Panel Components*	• *S48A Multifunction Switch - Instrument Panel X2* • *S48A Multifunction Switch - Instrument Panel X1*
S51	Telematics Button Assembly	UE1	In the passenger compartment, part of the inside rearview mirror	—	—
S52	Outside Rearview Mirror Switch	—	In the passenger compartment, on the driver door trim panel	*Driver Door Components*	*S52 Outside Rearview Mirror Switch*
S63	Roof Beacon Switch	—	In the passenger compartment, behind the overhead console, near the top	—	*S63 Roof Beacon Switch*

S64D	Seat Adjuster Switch – Driver	—	In the passenger compartment, mounted to the outboard side of the driver seat cushion	—	—
S64P	Seat Adjuster Switch – Passenger	—	In the passenger compartment, mounted to the outboard side of the passenger seat cushion	—	—
S68	Sliding Rear Window Switch	—	In the passenger compartment, in the overhead console	—	*S68 Sliding Rear Window Switch*
S70E	Steering Wheel Controls Switch – Radio Presets	—	In the passenger compartment, on the left rear side of the steering wheel	—	—
S70F	Steering Wheel Controls Switch – Radio Volume	—	In the passenger compartment, on the right rear side of the steering wheel	—	—
S70L	Steering Wheel Controls Switch – Left	—	In the passenger compartment, on the left side of the steering wheel	—	—
S70R	Steering Wheel Controls Switch – Right	—	In the passenger compartment, on the right side of the steering wheel	—	—
S72	Sunroof Switch	CF5	In the passenger compartment, at the front of the headliner, in the overhead console	*Headliner Components*	*S72 Sunroof Switch*
S74	Tow/Haul Mode Switch	—	In the passenger compartment, part of the automatic transmission shift lever	—	—
S76	Trailer Brake Control Switch	—	In the passenger compartment, lower left side of the instrument panel	*Front of Instrument Panel Components*	*S76 Trailer Brake Control Switch*
S77	Transfer Case Shift Control Switch	—	Under the vehicle, on the top of the transfer case	—	*S77 Transfer Case Shift Control Switch*
S78	Turn Signal/Multifunction Switch	—	In the passenger compartment, on the left side of the steering column	—	—
S79D	Window Switch – Driver	—	In the passenger compartment, behind the driver door trim panel, center of the door	*Driver Door Components*	*S79D Window Switch - Driver*
S79LR	Window Switch – Left Rear	—	In the passenger compartment, at the center of the left rear door, on the door trim panel	—	*S79LR Window Switch - Left Rear*
S79P	Window Switch – Passenger	—	In the passenger compartment, on the passenger door trim panel, center of the door	*Passenger Door Components*	*S79P Window Switch - Passenger*
S79RR	Window Switch – Right Rear	—	In the passenger compartment, on the right rear door trim panel, center of the door	—	*S79RR Window Switch - Right Rear*
S104	Fuel Type Select Switch	—	Mounted on instrument panel, to the left of HVAC control head	—	—
T1	Accessory DC/AC Power Inverter Module	KI4	In the instrument panel, right side of the steering colum	*Rear of Instrument Panel Components*	*T1 Accessory DC/AC Power Inverter Module*
T3	Audio Amplifier	—	In the rear passenger compartment, mounted behind the rear seat, below the rear window	—	• *T3 Audio Amplifier X2* • *T3 Audio Amplifier X4* • *T3 Audio Amplifier X3* • *T3 Audio Amplifier X1*
T4C	Radio Antenna Base	—	Outside the vehicle, mounted at the rear of the right front fender	—	—

T4E	Cellular Phone and Navigation Antenna	—	Outside the vehicle, at the front right of the roof	- *Front of Vehicle (Chevrolet) Components* - *Front of Vehicle (GMC) Components*	—
T4G	Cellular Phone, Navigation, and Digital Radio Antenna	—	Outside the vehicle, at the front right of the roof	—	—
T4H	Digital Radio Antenna	—	Outside the vehicle, at the front right of the roof	—	—
T4M	Radio Antenna	—	Outside the vehicle, at the right rear of the hood	—	—
T8A	Ignition Coil 1	—	In the engine compartment, at the top of the engine	*Left Side of Engine Components (L96)*	*T8A Ignition Coil 1 (L96)*
T8B	Ignition Coil 2	—	In the engine compartment, at the top of the engine	—	*T8B Ignition Coil 2 (L96)*
T8C	Ignition Coil 3	—	In the engine compartment, at the top of the engine	*Left Side of Engine Components (L96)*	*T8C Ignition Coil 3 (L96)*
T8D	Ignition Coil 4	—	In the engine compartment, at the top of the engine	—	*T8D Ignition Coil 4 (L96)*
T8E	Ignition Coil 5	—	In the engine compartment, at the top of the engine	*Left Side of Engine Components (L96)*	*T8E Ignition Coil 5 (L96)*
T8F	Ignition Coil 6	—	In the engine compartment, at the top of the engine	—	*T8F Ignition Coil 6 (L96)*
T8G	Ignition Coil 7	—	In the engine compartment, at the top of the engine	*Left Side of Engine Components (L96)*	*T8G Ignition Coil 7 (L96)*
T8H	Ignition Coil 8	—	In the engine compartment, at the top of the engine	—	*T8H Ignition Coil 8 (L96)*
T12	Automatic Transmission Assembly	—	Under the vehicle, mounted to the rear of the engine	—	—
T15	Navigation Antenna Signal Splitter	—	In the passenger compartment, behind the instrument panel	—	—
X50A	Fuse Block – Underhood	—	In the engine compartment, top left near the inner fender	- *Left Side of Engine Compartment Components* - *Engine Compartment Left Harness Routing*	—
X50D	Fuse Block – Battery	—	In the engine compartment, top right near the inner fender	—	—
X51L	Fuse Block – Instrument Panel Left	—	In the passenger compartment, left side of the instrument panel, behind side trim panel	*Passenger Compartment Left Harness Routing*	—
X51R	Fuse Block – Instrument Panel Right	—	In the passenger compartment, right side of the instrument panel, behind side trim panel	—	—
X54F	Relay Block – Alternative Fuel	LC8	In the engine compartment, mounted to the front of the CNG Control Module bracket	—	—
X61A	Junction Block – Instrument Panel	except E29	In the passenger compartment, under the instrument panel, left of the brake pedal	—	—

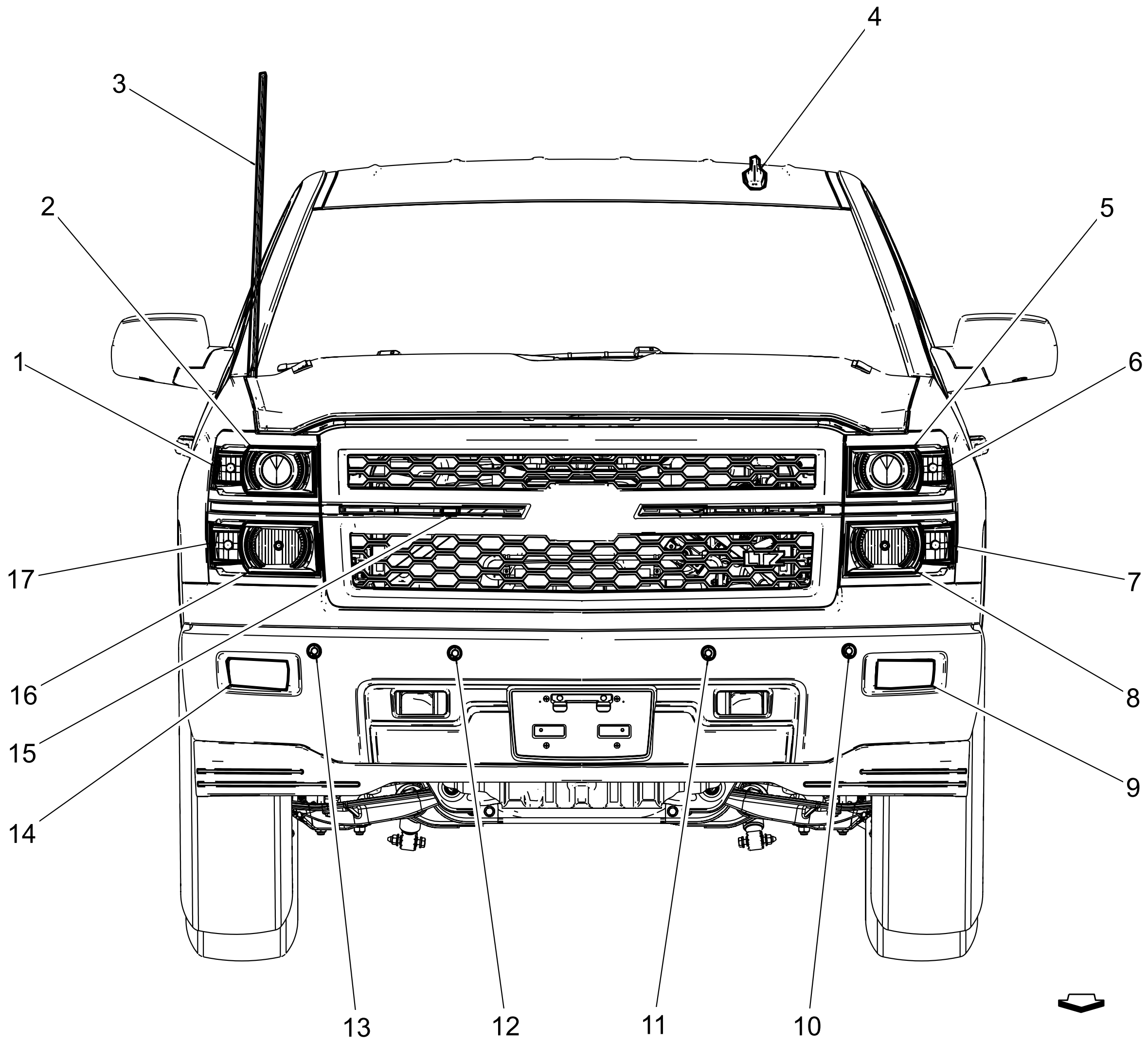
X63A	Junction Block – Rear Body	—	On the vehicle underbody, behind rear bumper, near the left frame rail	*Chassis Components*	—
X80A	Accessory Power Receptacle – Center Console 1	—	In the passenger compartment, at the left of the center console	—	*X80A Accessory Power Receptacle - Center Console 1*
X80B	Accessory Power Receptacle – Center Console 2	—	In the passenger compartment, at the right of the center console	—	*X80B Accessory Power Receptacle - Center Console 2*
X80D	Accessory Power Receptacle – Center Console Compartment	—	In the passenger compartment, between the driver and passenger seat, in the center console	—	—
X80E	Accessory Power Receptacle – Center Seat	—	In the passenger compartment, at the rear of the center console	—	—
X80J	Accessory Power Receptacle – Instrument Panel 1	—	In the passenger compartment, at the left center of the instrument panel	• *Front of Instrument Panel Components* • *Rear of Instrument Panel Components*	—
X80K	Accessory Power Receptacle – Instrument Panel 2	—	In the passenger compartment, at the right center of the instrument panel	—	—
X80S	Accessory Power Receptacle – Instrument Panel 3	—	In the passenger compartment, at the center of the instrument panel	—	*X80S Accessory Power Receptacle - Instrument Panel 3*
X81	Accessory Power Receptacle – 110V AC	KI4	In the passenger compartment, right front of the center console storage bin	• *Rear of Instrument Panel Components* • *Front of Instrument Panel Components*	—
X82	Audio/Video Input Adapter	IO6	In the passenger compartment, at rear of the center console	—	*X82 Audio/Video Input Adapter*
X83	Auxiliary Audio Input	—	In the passenger compartment, in the center console storage compartment	—	*X83 Auxiliary Audio Input*
X84	Data Link Connector	—	In the passenger compartment, at the bottom of the driver side of the instrument panel	*Front of Instrument Panel Components*	*X84 Data Link Connector*
X85	Steering Wheel Air Bag Coil	—	In the passenger compartment, behind the steering wheel	—	*X85 Steering Wheel Air Bag Coil*
X88	Trailer Connector	—	On the vehicle exterior, at the rear of the vehicle, left of the license plate	*Rear of Vehicle Components*	*X88 Trailer Connector*
X92	USB Receptacle	—	In the passenger compartment, left front of the center console storage bin	—	—
X96	Alternative Fuel System Data Connector	LC8	In the passenger compartment, at the bottom of the driver side of the instrument panel, clipped to the Data Link Connector mount	—	—
X100	Front Bumper Harness To Forward Lamp Harness	—	In the engine compartment, near the center of the lower radiator support	• *Front Bumper Harness Routing* • *Engine Compartment Right Harness Routing*	—
X102	Engine Harness To Engine Cooling Fan Harness	—	In the engine compartment, at the lower left of the cooling fan housing	—	—

X111	Engine Harness To Front Axle Harness	—	Under the vehicle, near the front axle	• *Engine Compartment Left Harness Routing* • *Left Side of Engine Harness Routing (L96)*	—
X115	Body Harness To Engine Harness	—	In the front of the engine compartment, near the upper left of the radiator support	—	—
X119	Body Harness To Brake Clutch Jumper Harness	—	In the passenger compartment, left side of the instrument panel	*Passenger Compartment Left Harness Routing*	• *X119 Body Harness to Brake Clutch Jumper Harness (except E29)* • *X119 Body Harness to Brake Clutch Jumper Harness (except E29)*
X125	Engine Harness To Chassis Harness	—	Under the vehicle, on the top left of the frame rail, near the left front body mount	—	—
X150	Body Harness To Forward Lamp Harness	—	In the engine compartment, above the right front wheel well	*Engine Compartment Right Harness Routing*	—
X171	Engine Harness To Coil Jumper – Odd Harness	—	On the engine, near the ignition coils	—	—
X177	Engine Harness to CNG Front Harness	LC8	In the engine compartment, at the right front of the engine compartment, near the mass airflow sensor	—	—
X178	CNG Rear Harness to CNG Front Harness	LC8	In the engine compartment, to the left of the engine, below the fuse block, attached to the power steering hoses	—	—
X181	Engine Harness to CNG Injector Harness	LC8	In the engine compartment, near cylinder 1 fuel injector	—	—
X182	Engine Harness to CNG Injector Harness	LC8	In the engine compartment, near cylinder 2 fuel injector	—	—
X183	Engine Harness to CNG Injector Harness	LC8	In the engine compartment, near cylinder 3 fuel injector	—	—
X184	Engine Harness to CNG Injector Harness	LC8	In the engine compartment, near cylinder 4 fuel injector	—	—
X185	Engine Harness to CNG Injector Harness	LC8	In the engine compartment, near cylinder 5 fuel injector	—	—
X186	Engine Harness to CNG Injector Harness	LC8	In the engine compartment, near cylinder 6 fuel injector	—	—
X187	Engine Harness to CNG Injector Harness	LC8	In the engine compartment, near cylinder 7 fuel injector	—	—
X188	Engine Harness to CNG Injector Harness	LC8	In the engine compartment, near cylinder 8 fuel injector	—	—
X189	CNG Injector Harness to CNG Front Harness	LC8	In the engine compartment, to the left of the engine	—	—
X190	CNG Front Harness to CNG Injector Harness	LC8	In the engine compartment, to the left of the engine	—	—
X199	CNG Front Harness to CNG Instrument Panel Harness	LC8	In the engine compartment, to the left of the engine	—	—

X216	Body Harness To HVAC Harness	—	In the passenger compartment, behind the lower right side of the instrument panel	*Passenger Compartment Right Harness Routing*	—
X217	Body Harness To HVAC Harness	—	In the passenger compartment, behind the lower right side of the instrument panel	—	—
X225	Body Harness To Instrument Panel Harness	—	In the passenger compartment, behind the lower left side of the instrument panel	*Passenger Compartment Left Harness Routing*	—
X275	Body Harness To Instrument Panel Harness	—	In the passenger compartment, behind the lower right side of the instrument panel	—	—
X310	Body Harness To Driver Seat Cushion Harness	—	In the passenger compartment, under the passenger seat	• *Passenger Compartment Right Harness Routing* • *Passenger Compartment Left Harness Routing*	—
X314	Body Harness To Center Seat Harness	—	In the passenger compartment, under the driver seat	—	—
X315	Body Harness To Headliner Harness	—	In the passenger compartment, near the middle of the left A-pillar	*Passenger Compartment Left Harness Routing*	—
X320	Body Harness To Passenger Seat Cushion Harness	—	In the passenger compartment, under the passenger seat	—	—
X350	Chassis Harness to CNG Rear Harness	LC8	Under the vehicle, at the top of the fuel tank, near the fuel pump and level sensor assembly	—	—
X380	Body Harness to Roof Rail Jumper – Left Harness	—	In the passenger compartment, behind the left C-pillar, near the headliner	—	—
X390	Body Harness To Roof Rail Jumper – Right Harness	—	In the passenger compartment, behind the right C-pillar, near the headliner	*Passenger Compartment Right Harness Routing*	—
X416	Rear Bumper Harness	—	At the rear of the vehicle, behind the left side of the rear fascia	—	• *X416 Rear Bumper Harness to Rear Clearance Lamps (Left) Jumper Harness (except ZW9)* • *X416 Rear Bumper Harness to Rear Clearance Lamps (Left) Jumper Harness (except ZW9)*
X417	Rear Bumper Harness	—	At the rear of the vehicle, behind the left side of the rear fascia	*Rear Bumper Harness Routing*	—
X500	Body Harness To Driver Door Harness	—	In the passenger compartment, behind the left side of the instrument panel	—	—
X505	Driver Door Harness To Driver Door Trim Harness	—	In the driver door, behind the driver door panel	*Driver Door Harness Routing*	—
X506	Driver Door Harness to Driver Door Trim Harness	—	In the driver door, behind the driver door panel	—	—
X510	Driver Door Harness To Outside Rearview Mirror Harness	—	In the driver door, behind the driver door panel, near the A-pillar	*Driver Door Harness Routing*	—
X600	Body Harness To Passenger Door Harness	—	In the passenger compartment, behind the right side of the instrument panel	—	—
X605	Passenger Door Harness to Passenger Door Trim Harness	—	In the passenger door, behind the passenger door panel	*Passenger Door Harness Routing*	—

X606	Passenger Door Harness to Passenger Door Trim Harness	—	In the passenger door, behind the passenger door panel	—	—
X610	Passenger Door Harness to Outside Rearview Mirror Harness	—	In the passenger door, behind the passenger door panel, near the A-pillar	*Passenger Door Harness Routing*	—
X700	Body Harness To Left Rear Door Harness	—	In the passenger compartment, behind the left B-pillar, near the middle	—	—
X800	Body Harness To Right Rear Door Harness	—	In the passenger compartment, behind the right B-pillar, near the middle	• *Passenger Compartment Right Harness Routing* • *Rear Doors Harness Routing*	—
JX101	CNG Front Harness	LC8	In the engine compartment, mounted to a bracket that is mounted to the bottom of the battery tray, on the left front of the engine compartment	—	—
JX102	CNG Front Harness	LC8	In the engine compartment, mounted to a bracket that is mounted to the bottom of the battery tray, on the left front of the engine compartment	—	—
JX300	Body Harness	—	In the passenger compartment, at the base of the right A-pillar behind the trim panel	—	—

Front of Vehicle (Chevrolet) Components

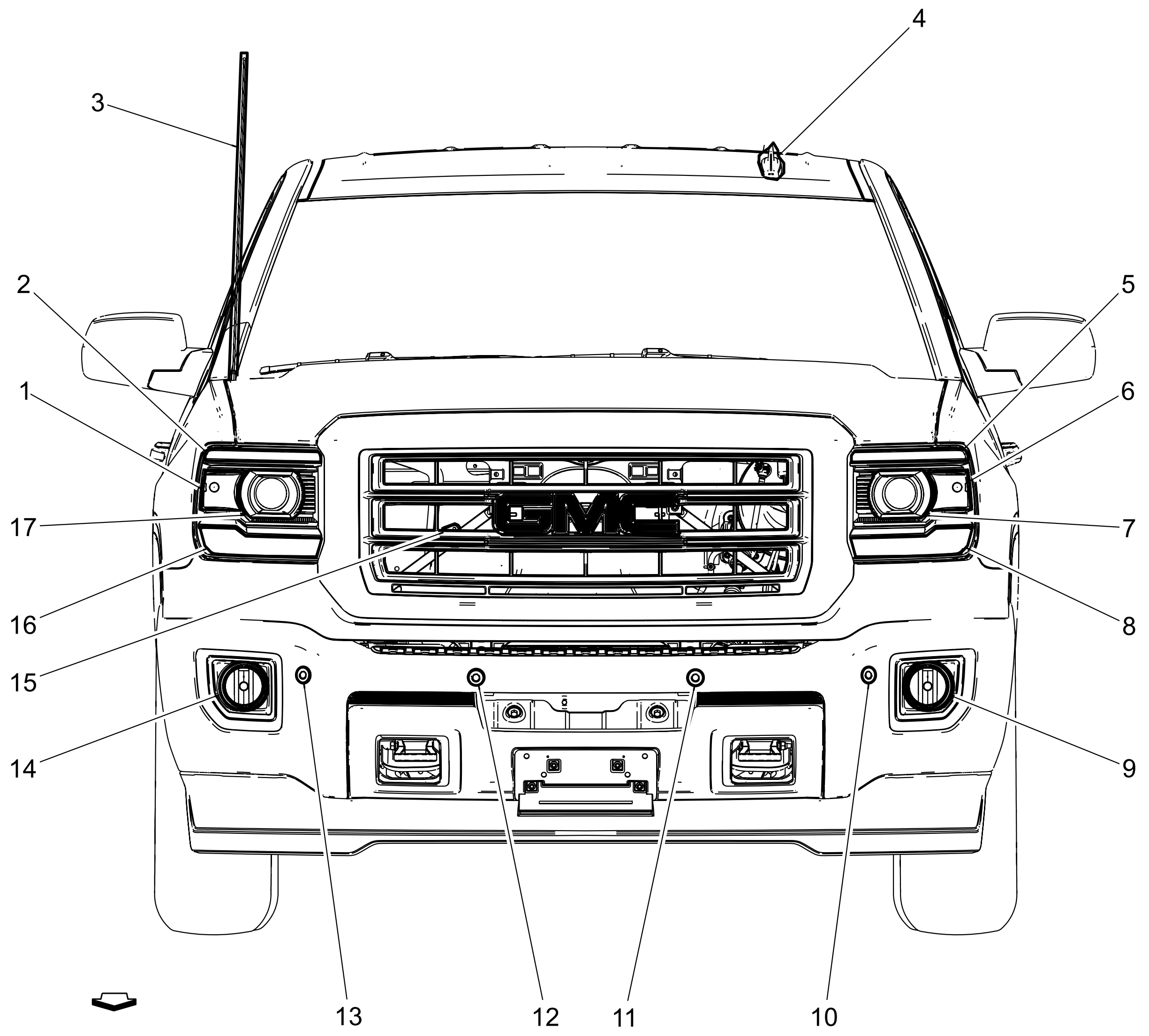


Items

1. E4T Park/Turn Signal Lamp - Right Upper (X88)
2. E4H Headlamp - Right Low Beam
3. T4E Cellular Phone and Navigation Antenna
4. T4G Cellular Phone, Navigation, and Digital Radio Antenna
5. E4G Headlamp - Left Low Beam
6. E4S Park/Turn Signal Lamp - Left Upper (X88)
7. E4Q Park/Turn Signal Lamp - Left Lower (X88)
8. E4E Headlamp - Left High Beam (X88)
9. E29LF Fog Lamp - Left Front (T3U)
10. B78A Front Object Sensor - Left Outer (UD5)
11. B78C Front Object Sensor - Left Middle (UD5)

11. B78C Front Object Sensor - Left Middle (UD5)
12. B78D Front Object Sensor - Right Middle (UD5)
13. B78B Front Object Sensor - Right Outer (UD5)
14. E29RF Fog Lamp - Right Front (T3U)
15. B9 Ambient Air Temperature Sensor
16. E4F Headlamp - Right High Beam (X88)
17. E4R Park/Turn Signal Lamp - Right Lower (X88)

Front of Vehicle (GMC) Components

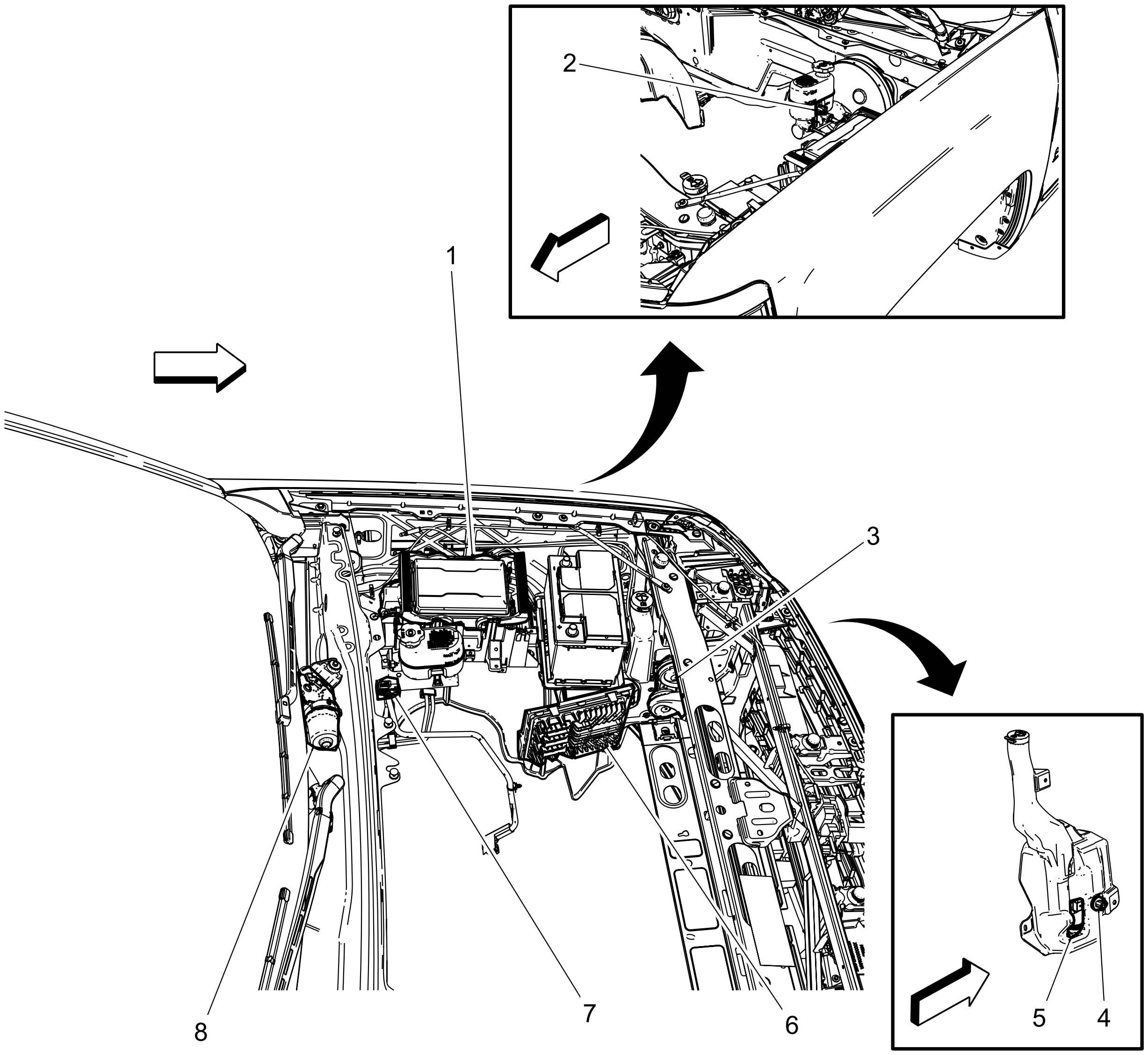


Items

1. E4P Park/Turn Signal Lamp - Right (Z88)
2. E4J Park Lamp - Left Front
3. T4E Cellular Phone and Navigation Antenna
4. T4G Cellular Phone, Navigation, and Digital Radio Antenna
5. E4K Park Lamp - Right Front
6. E4G Headlamp - Left Low Beam
7. E4N Park/Turn Signal Lamp - Left (Z88)
8. E4D Daytime Running Lamp - Right (Y91)
9. E29LF Fog Lamp - Left Front (T3U)
10. B78A Front Object Sensor - Left Outer (UD5)
11. B78C Front Object Sensor - Left Middle (UD5)

11. B78C Front Object Sensor - Left Middle (UD5)
12. B78D Front Object Sensor - Right Middle (UD5)
13. B78A Front Object Sensor - Left Outer (UD5)
14. E29RF Fog Lamp - Right Front (T3U)
15. B9 Ambient Air Temperature Sensor
16. E4C Daytime Running Lamp - Left (Y91)
17. E4H Headlamp - Right Low Beam

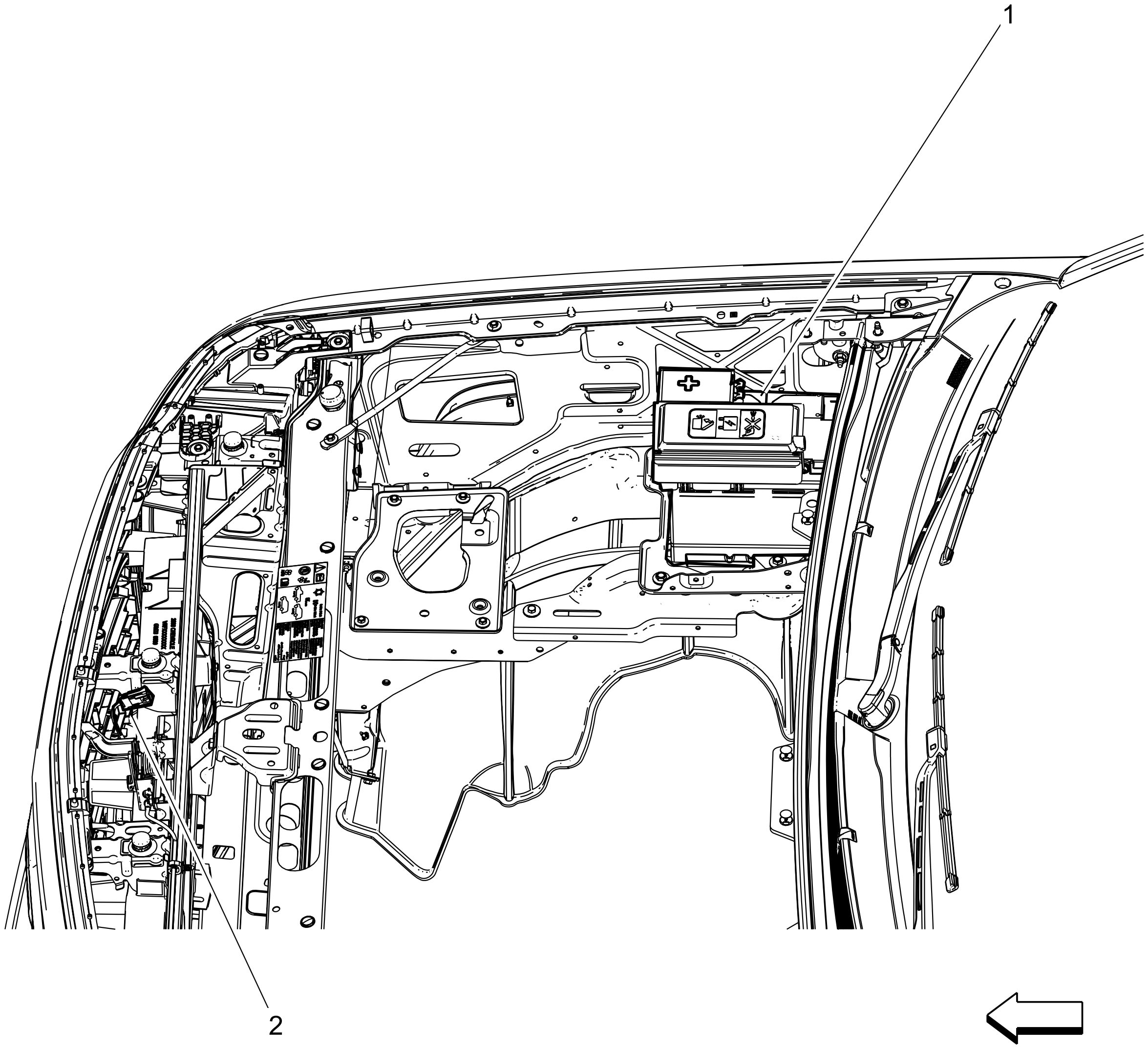
Left Side of Engine Compartment Components



Items

1. X50A Fuse Block - Underhood
2. B20 Brake Fluid Level Switch
3. P12 Horn
4. B118B Windshield Washer Fluid Level Switch
5. G24 Windshield Washer Pump
6. K20 Engine Control Module
7. B19B Brake Booster Vacuum Sensor
8. M75 Windshield Wiper Motor

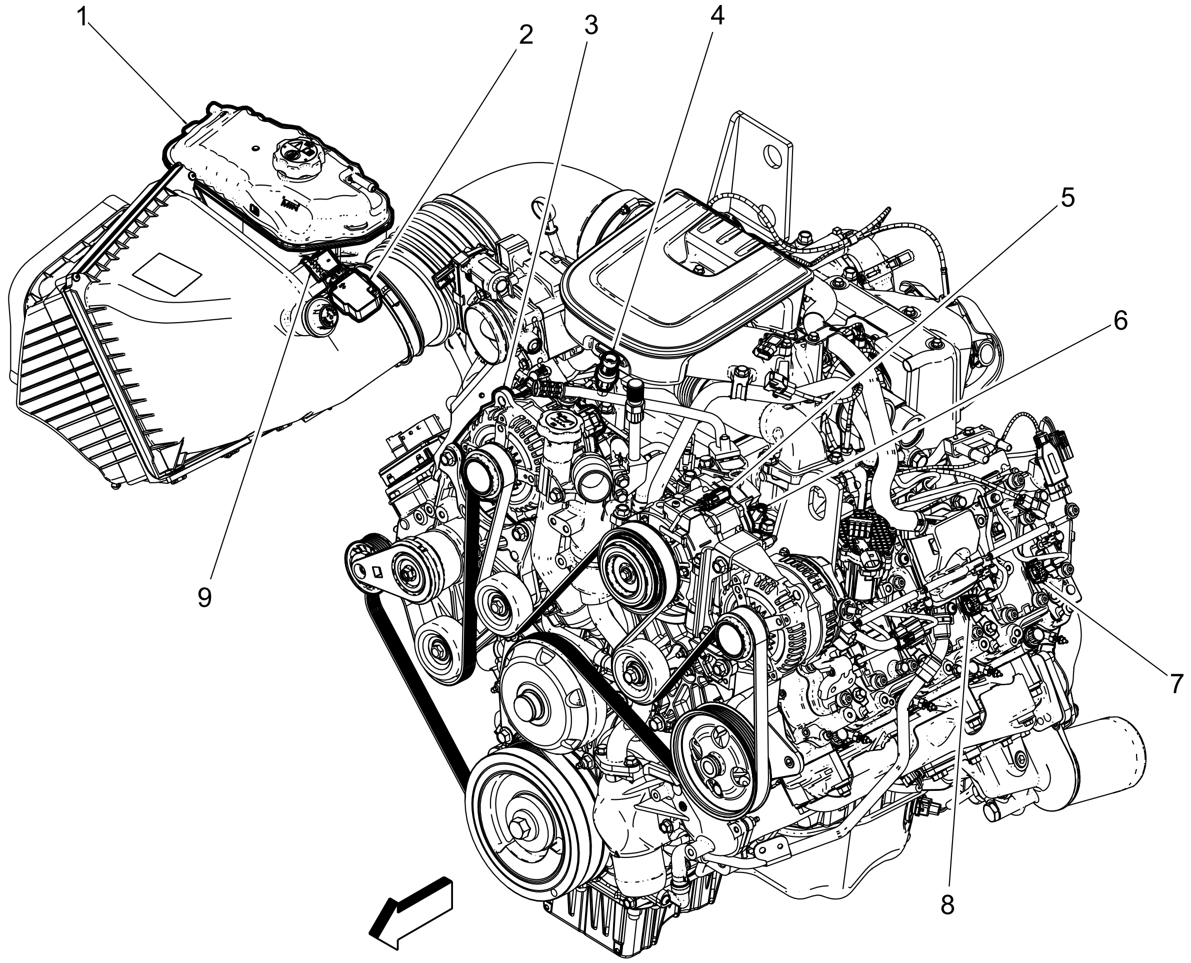
Right Side of Engine Compartment Components



Items

1. C1 Battery
2. B55 Hood Ajar Switch

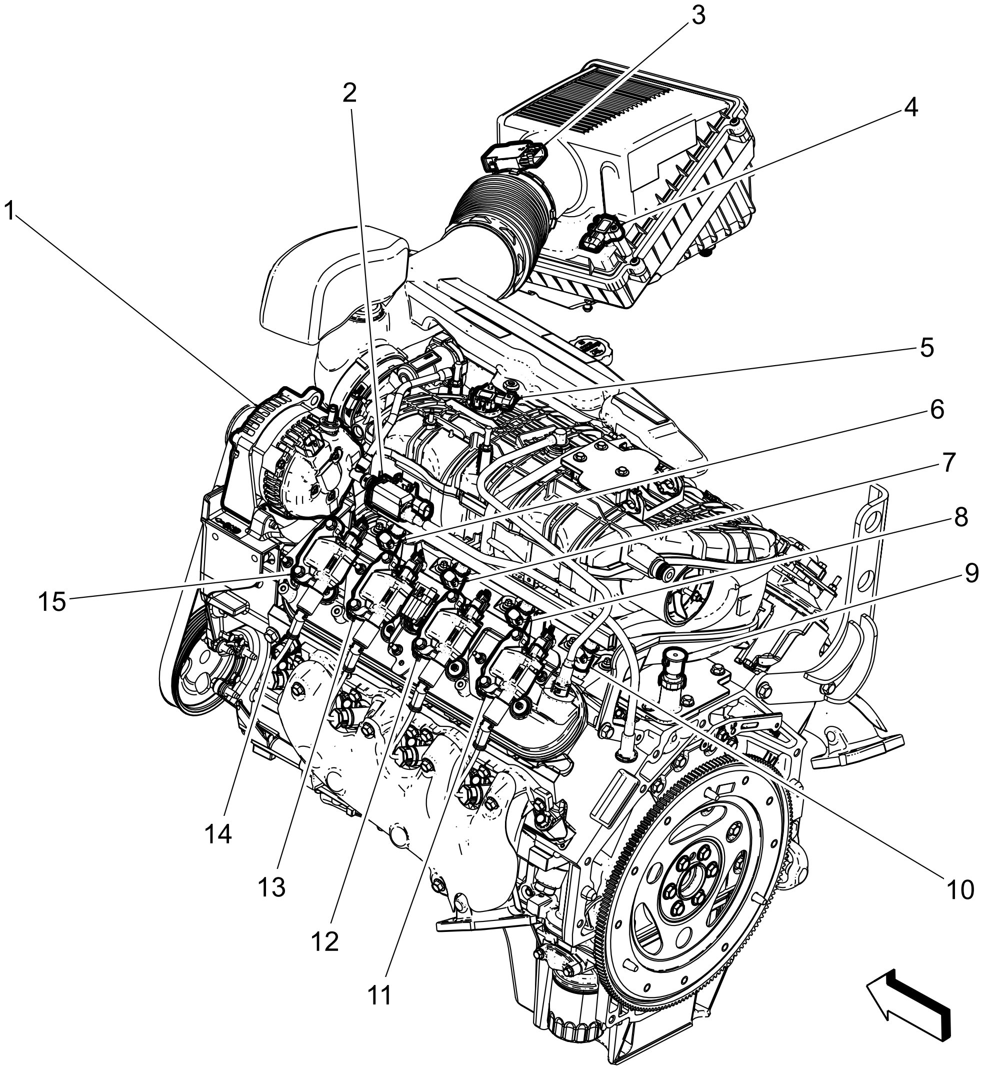
Left Side of Engine Components (LML)



Items

1. B33 Engine Coolant Level Switch
2. B75B Mass Air Flow/Intake Air Temperature Sensor
3. G13E Generator - Auxiliary
4. B1 A/C Refrigerant Pressure Sensor
5. Q2 A/C Compressor Clutch
6. Q46 A/C Compressor Solenoid Valve
7. Q17G Fuel Injector 7 (L83 or L86)
8. Q17E Fuel Injector 5
9. B75C Multifunction Intake Air Sensor

Left Side of Engine Components (L96)

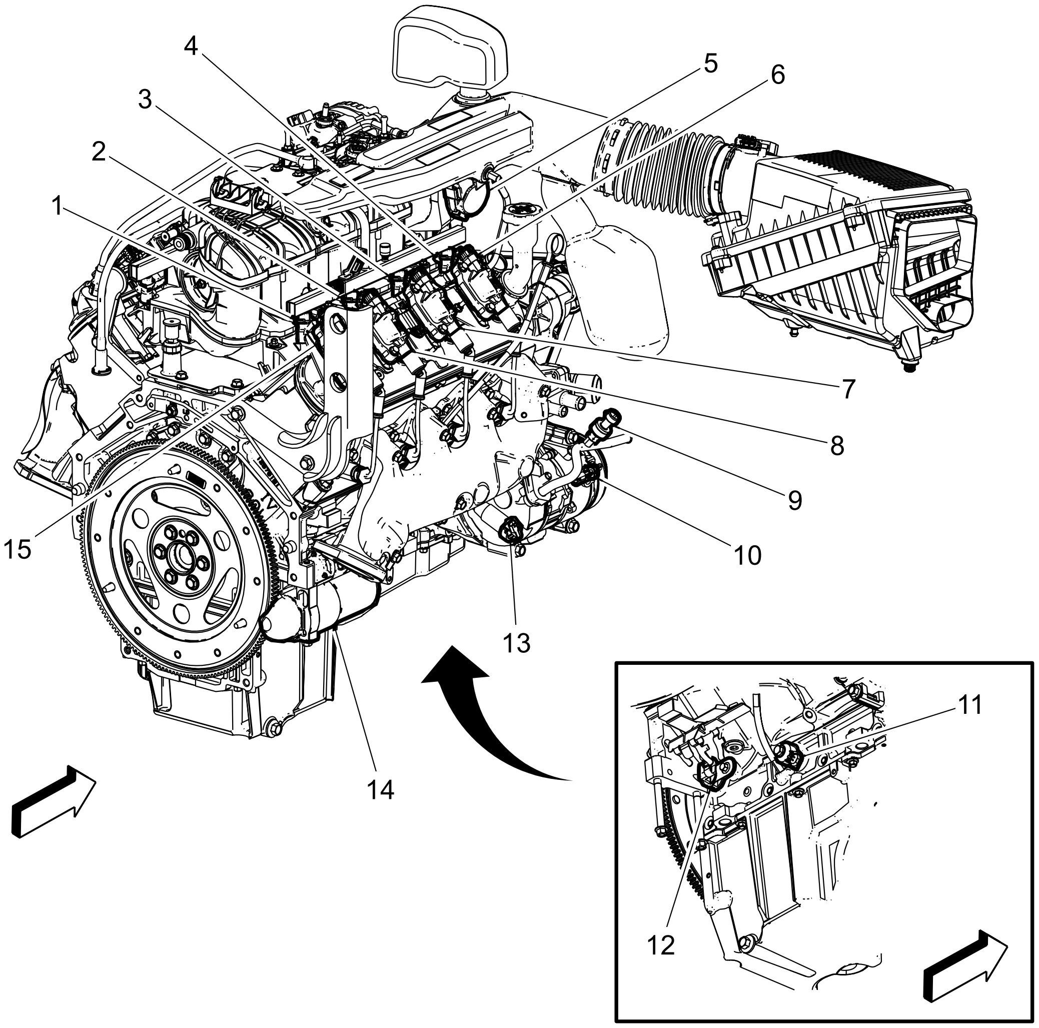


Items

1. G13 Generator
2. Q12 Evaporative Emission Purge Solenoid Valve
3. B75B Mass Air Flow/Intake Air Temperature Sensor
4. B192 Throttle Inlet Absolute Pressure Sensor
5. B74 Manifold Absolute Pressure Sensor
6. Q17A Fuel Injector 1
7. Q17C Fuel Injector 3
8. Q17E Fuel Injector 5
9. B37B Engine Oil Pressure Sensor
10. Q17G Fuel Injector 7 (L83 or L86)
11. T8G Ignition Coil 7 (L83 or L86)

11. T8G Ignition Coil 7 (L83 or L86)
12. T8E Ignition Coil 5
13. T8C Ignition Coil 3
14. B34 Engine Coolant Temperature Sensor
15. T8A Ignition Coil 1

Right Side of Engine Components (L96)

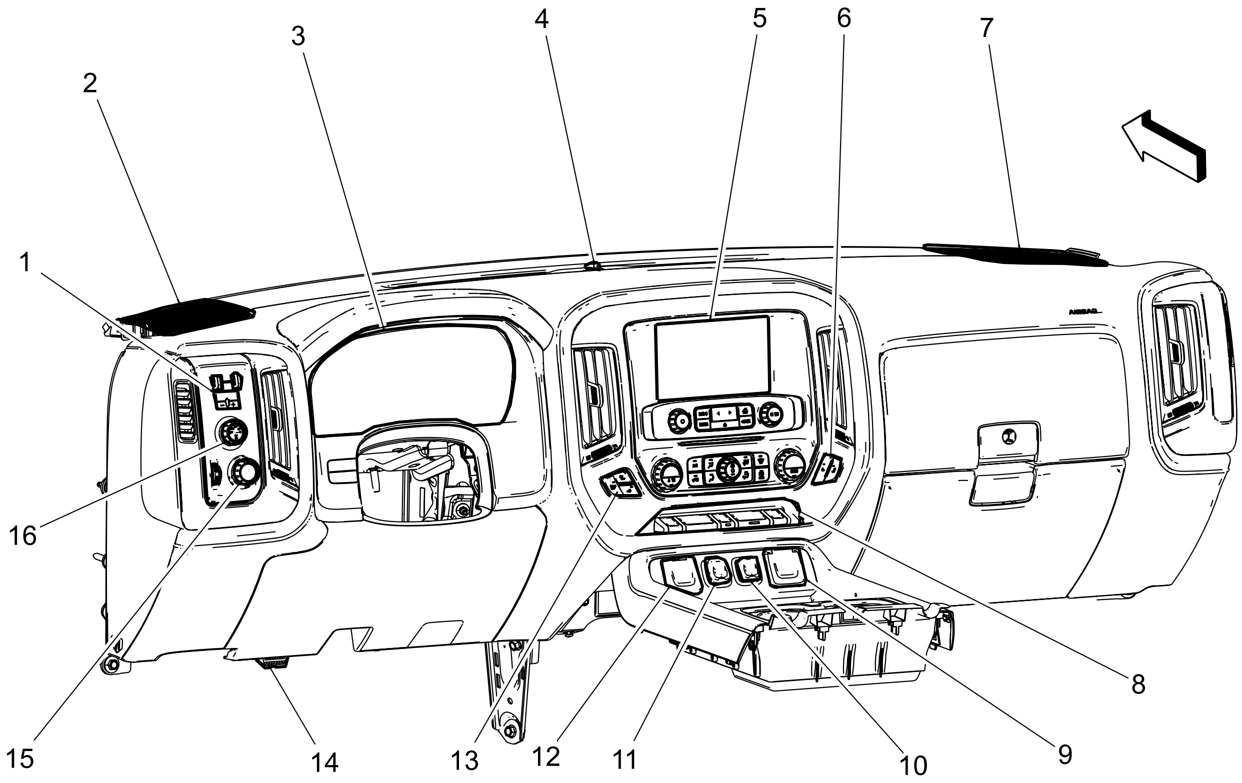


Items

1. Q17H Fuel Injector 8 (L83 or L86)
2. Q17F Fuel Injector 6
3. Q17D Fuel Injector 4
4. Q17B Fuel Injector 2
5. Q38 Throttle Body
6. T8B Ignition Coil 2
7. T8D Ignition Coil 4
8. T8F Ignition Coil 6
9. B1 A/C Refrigerant Pressure Sensor
10. Q2 A/C Compressor Clutch
11. B68B Knock Sensor 2

11. B68B Knock Sensor 2
12. B26 Crankshaft Position Sensor
13. Q46 A/C Compressor Solenoid Valve
14. M64 Starter Motor
15. T8H Ignition Coil 8 (L83 or L86)

Front of Instrument Panel Components



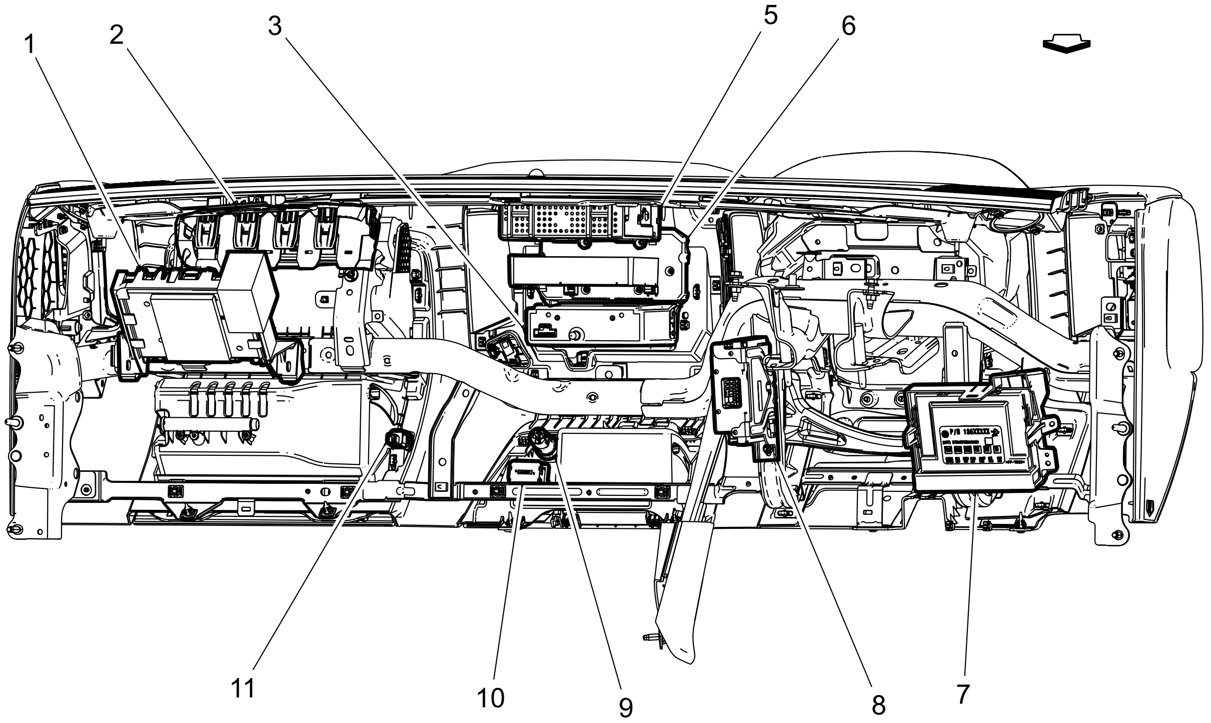
Items

1. S76 Trailer Brake Control Switch
2. P19J Speaker - Left Instrument Panel (UQ3)
3. P16 Instrument Cluster
4. B10B Ambient Light/Sunload Sensor
5. P17 Info Display Module
6. S31P Seat Heating and Cooling Switch - Passenger
7. P19W Speaker - Right Instrument Panel (UQ3)
8. S48A Multifunction Switch - Instrument Panel
9. X81 Accessory Power Receptacle - 110V AC (KI4)
10. X80K Accessory Power Receptacle - Instrument Panel 2
11. X80J Accessory Power Receptacle - Instrument Panel 1
12. X92 USB Receptacle
13. S31D Seat Heating and Cooling Switch - Driver
14. X84 Data Link Connector
15. S30 Headlamp Switch

15. S30 Headlamp Switch

16. S77 Transfer Case Shift Control Switch

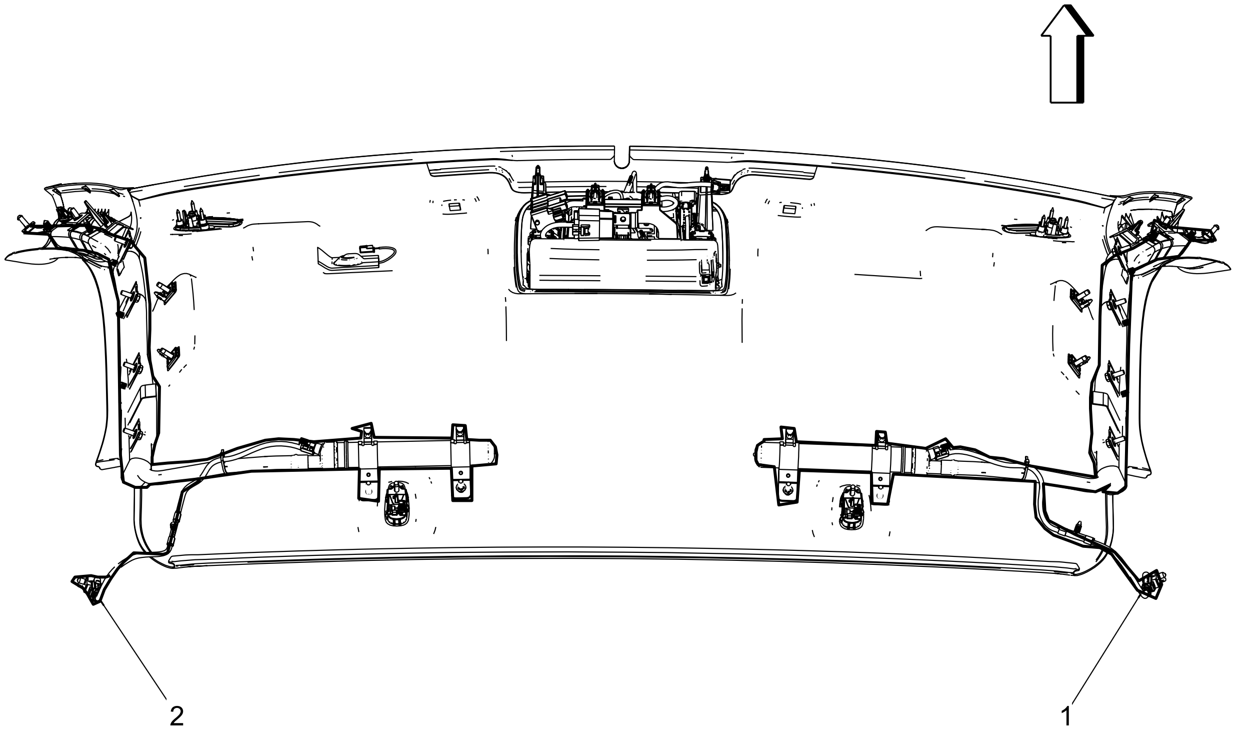
Rear of Instrument Panel Components



Items

1. K74 Human Machine Interface Control Module
2. F101 Passenger Instrument Panel Air Bag
3. A33 Media Disc Player
5. A11 Radio
6. K73 Telematics Communication Interface Control Module
7. K9 Body Control Module
8. T1 Accessory DC/AC Power Inverter Module (KI4)
9. X80J Accessory Power Receptacle - Instrument Panel 1
10. X81 Accessory Power Receptacle - 110V AC (KI4)
11. S135 Rollover Protection Disable Switch

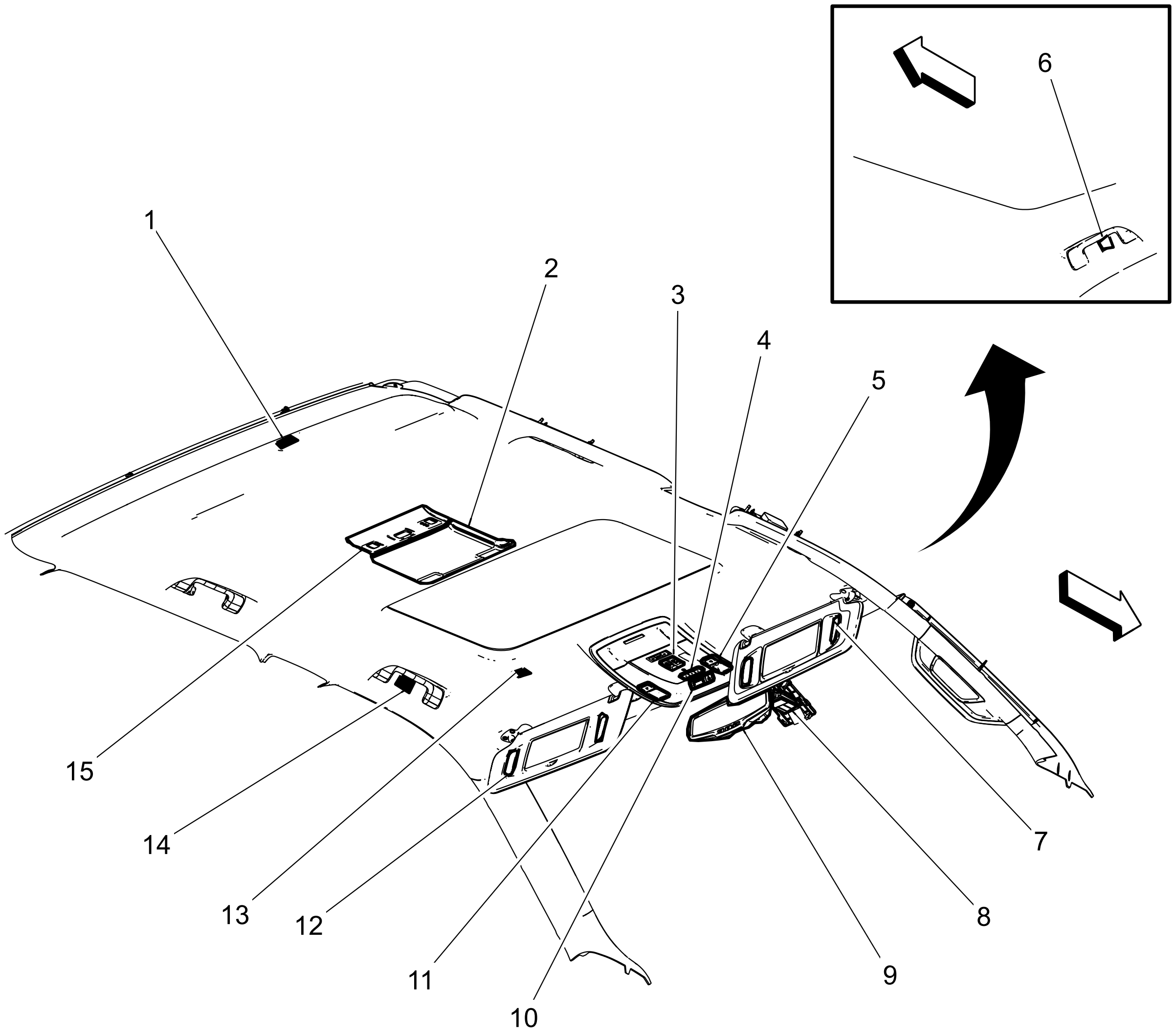
Roof Rail Air Bags



Items

1. F105R Roof Rail Air Bag - Right
2. F105L Roof Rail Air Bag - Left

Headliner Components



Items

1. B77R Radio Volume Compensator Interior Noise Microphone - Rear (NKC)
2. P22A Video Display - 2nd Row (U42)
3. S72 Sunroof Switch (CF5)
4. S25 Garage Door Opener
5. E37ER Dome/Reading Lamps - Front Overhead Console Right
6. B77RF Radio Volume Compensator Interior Noise Microphone - Right Front (NKC)
7. E31R Sunshade Mirror Lamp - Right
8. K109 Frontview Camera Module (Y65)
9. A10 Inside Rearview Mirror

10. P14 Passenger Air Bag Disabled Indicator

11. E37EL Dome/Reading Lamps - Front Overhead Console Left

12. E31L Sunshade Mirror Lamp - Left

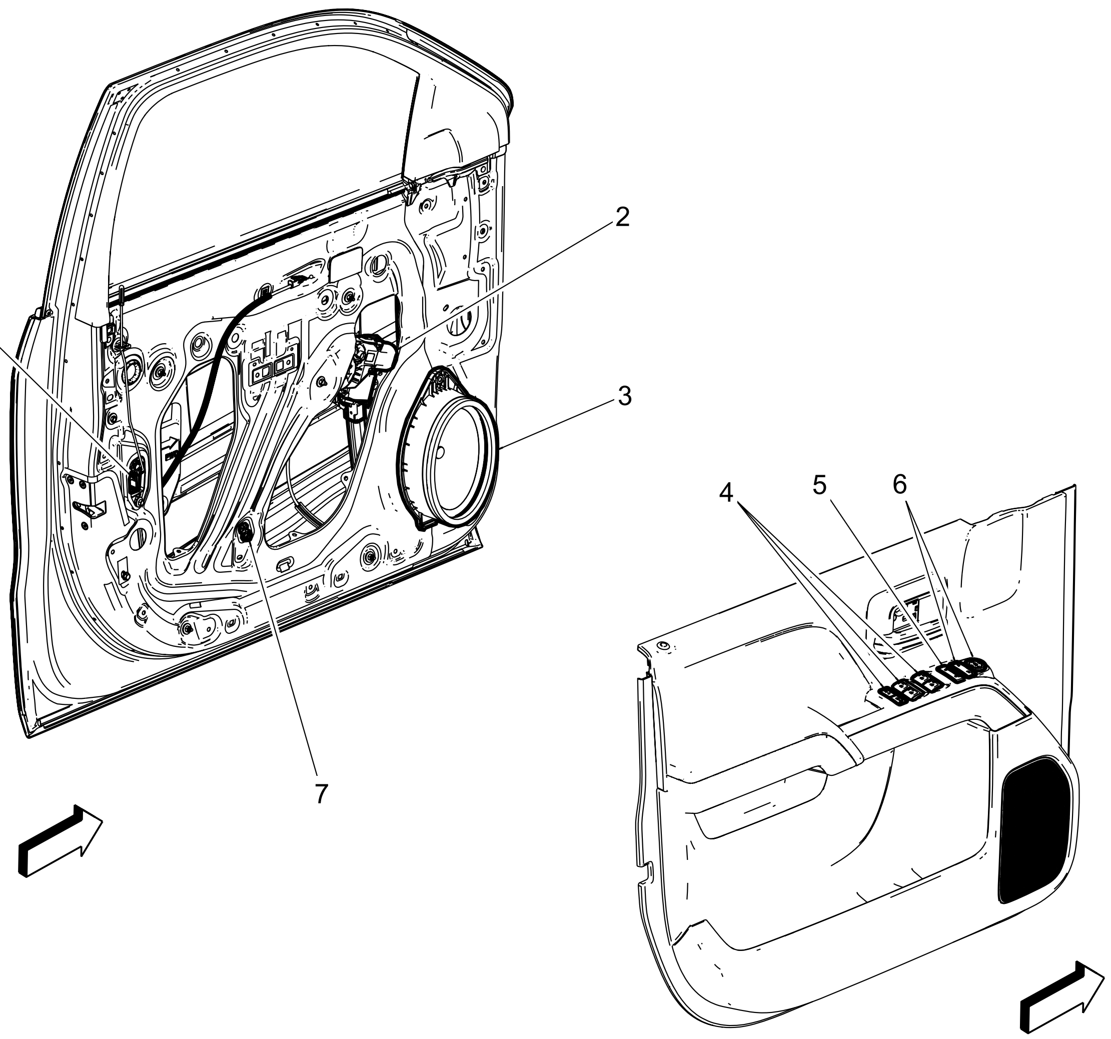
13. B24 Cellular Phone Microphone

14. B77LF Radio Volume Compensator Interior Noise Microphone - Left Front (NKC)

15. E37B Dome/Reading Lamps - 2nd Row

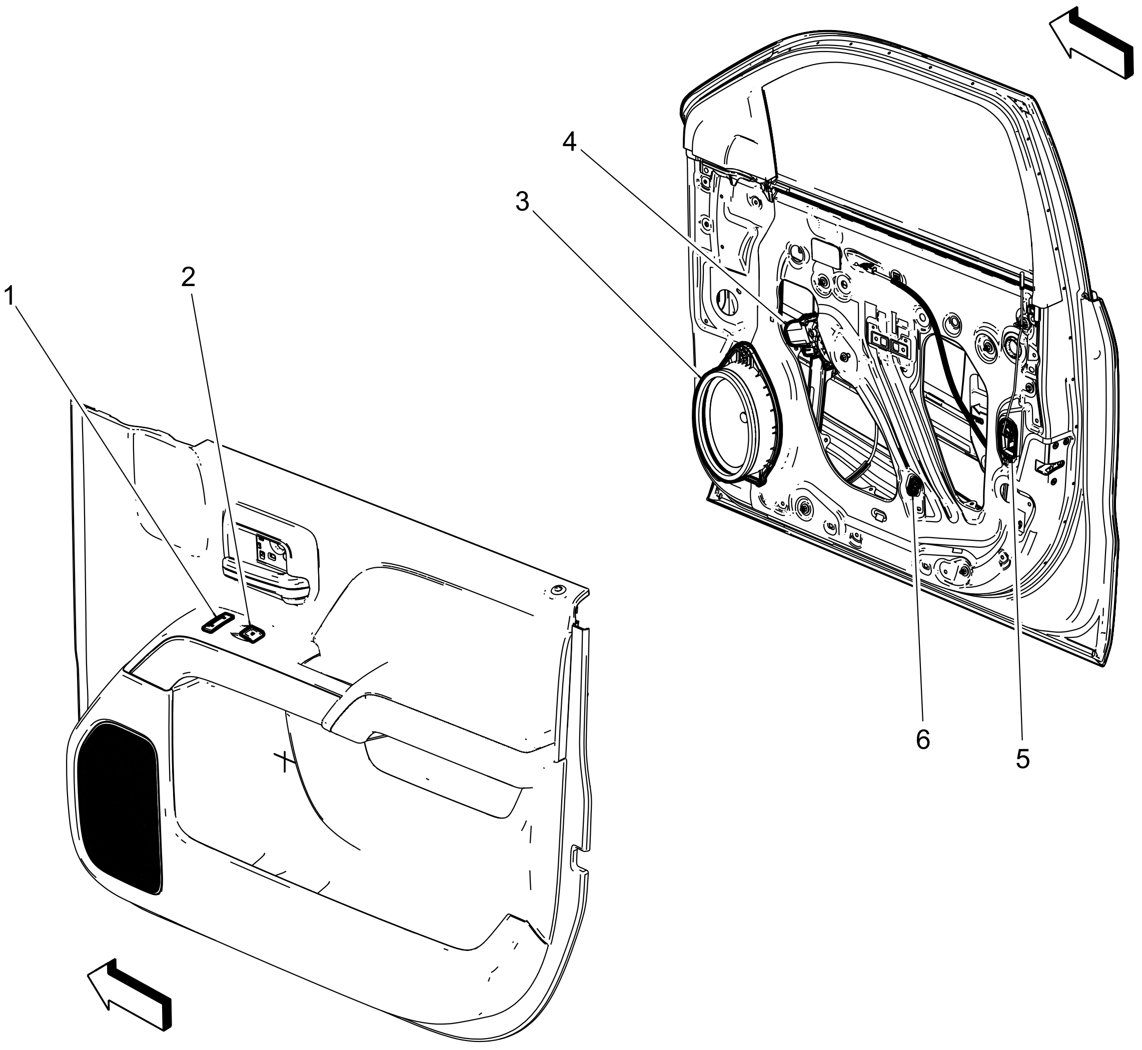
Door Component Views

Driver Door Components



Items

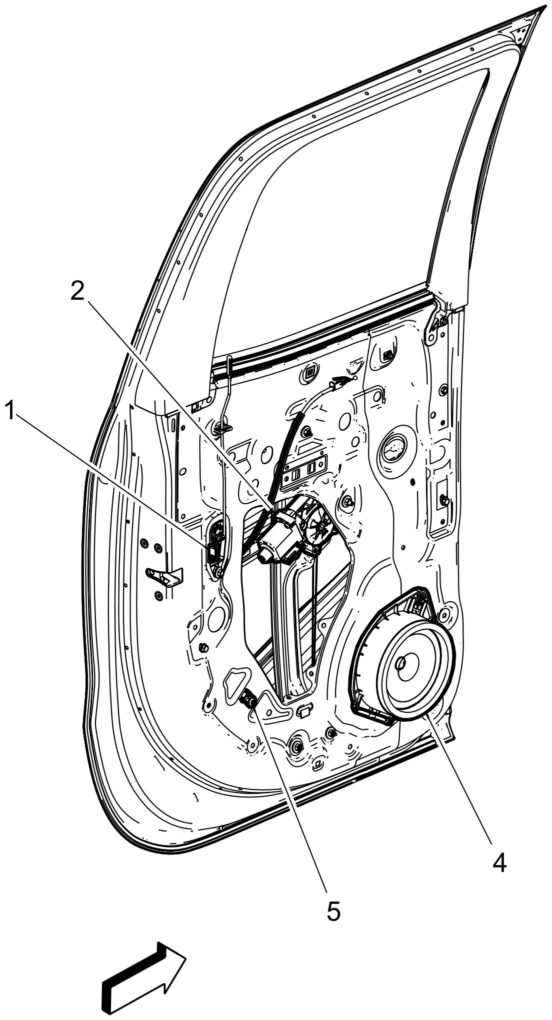
1. A23D Door Latch Assembly - Driver
2. M74D Window Motor - Driver
3. P19AG Speaker - Left Front Door
4. S79D Window Switch - Driver
5. S13D Door Lock Switch - Driver
6. S52 Outside Rearview Mirror Switch
7. B63LF Side Impact Sensor - Left Front

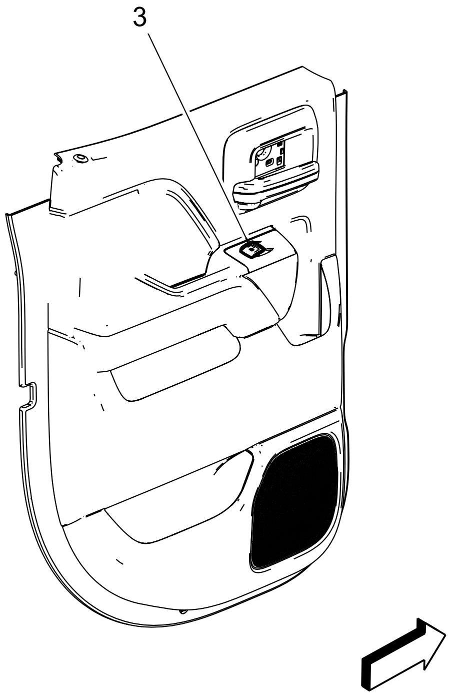


Items

1. S13P Door Lock Switch - Passenger
2. S79P Window Switch - Passenger
3. P19AH Speaker - Right Front Door
4. M74P Window Motor - Passenger
5. A23P Door Latch Assembly - Passenger
6. B63RF Side Impact Sensor - Right Front

Left Rear Door Components

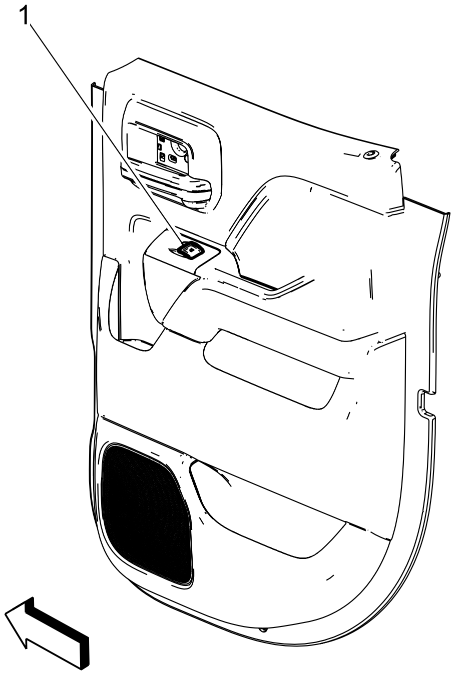


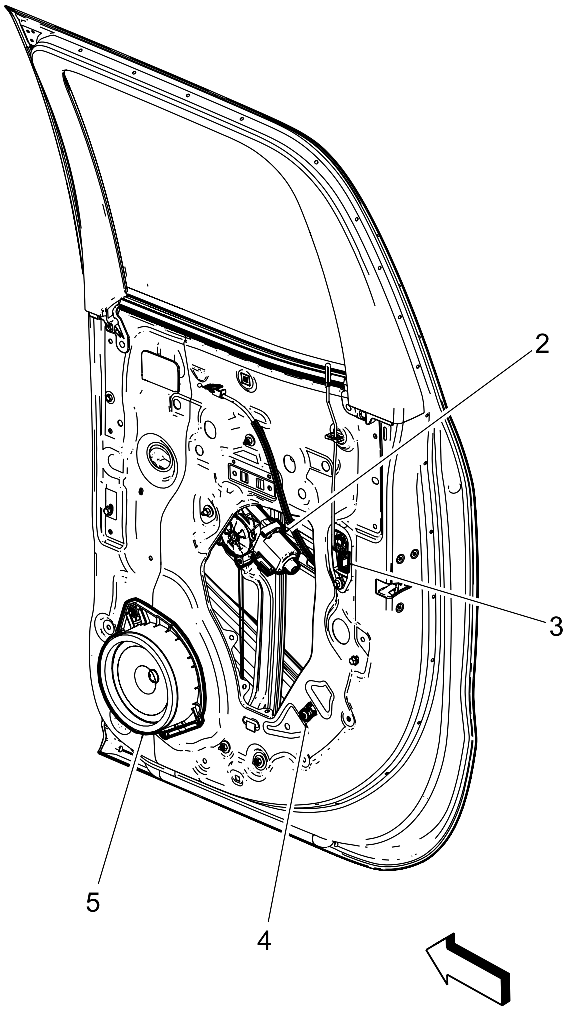


Items

1. A23LR Door Latch Assembly - Left Rear
2. M74LR Window Motor - Left Rear (except Regular Cab)
3. S79LR Window Switch - Left Rear
4. P19AL Speaker - Left Rear Door (except Regular Cab)
5. B63LR Side Impact Sensor - Left Rear

Right Rear Door Components



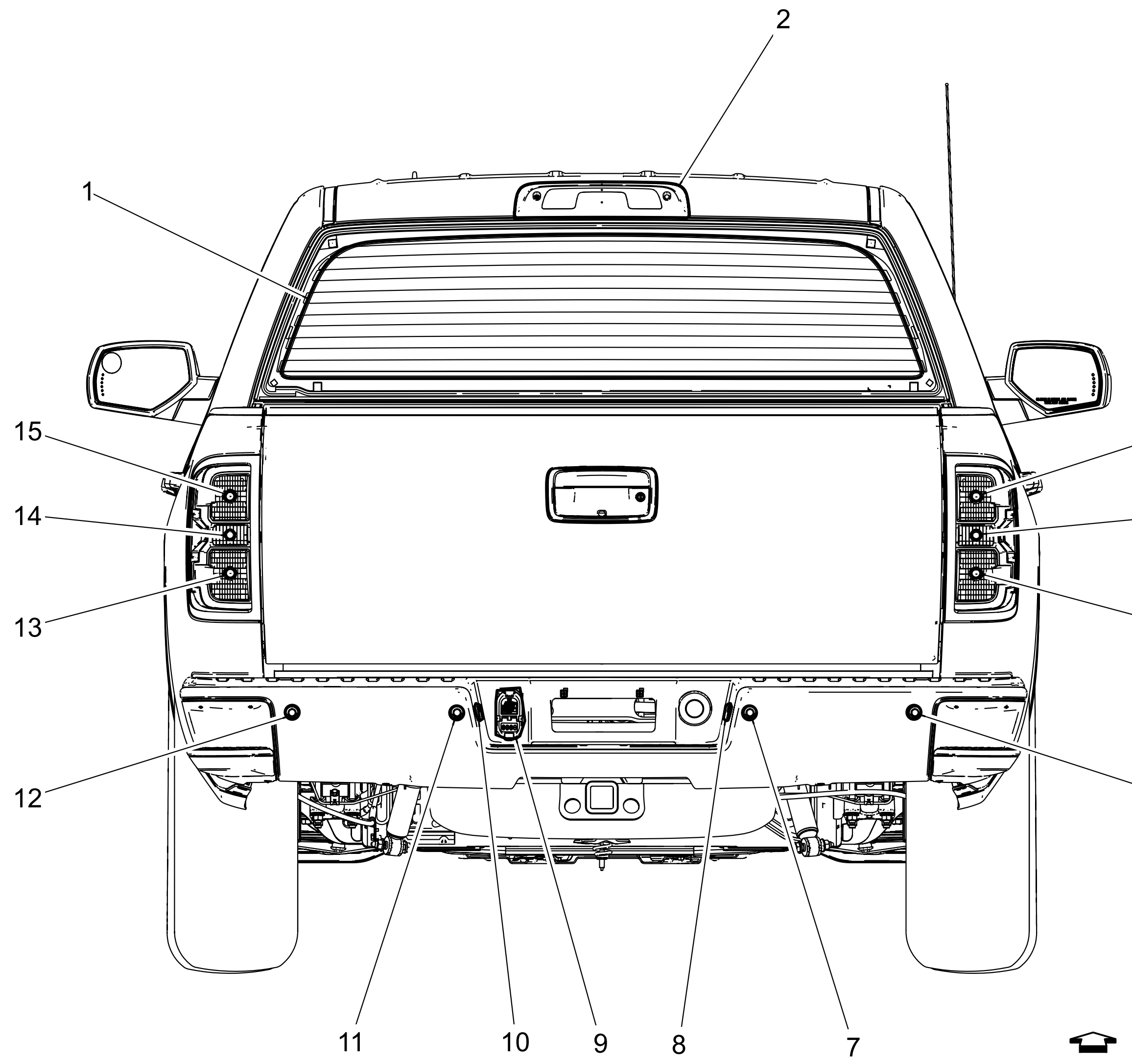


Items

1. S79RR Window Switch - Right Rear
2. M74RR Window Motor - Right Rear (except Regular Cab)
3. A23RR Door Latch Assembly - Right Rear
4. B63RR Side Impact Sensor - Right Rear
5. P19AM Speaker - Right Rear Door (except Regular Cab)

Luggage Compartment/Rear of Vehicle Component Views

Rear of Vehicle Components

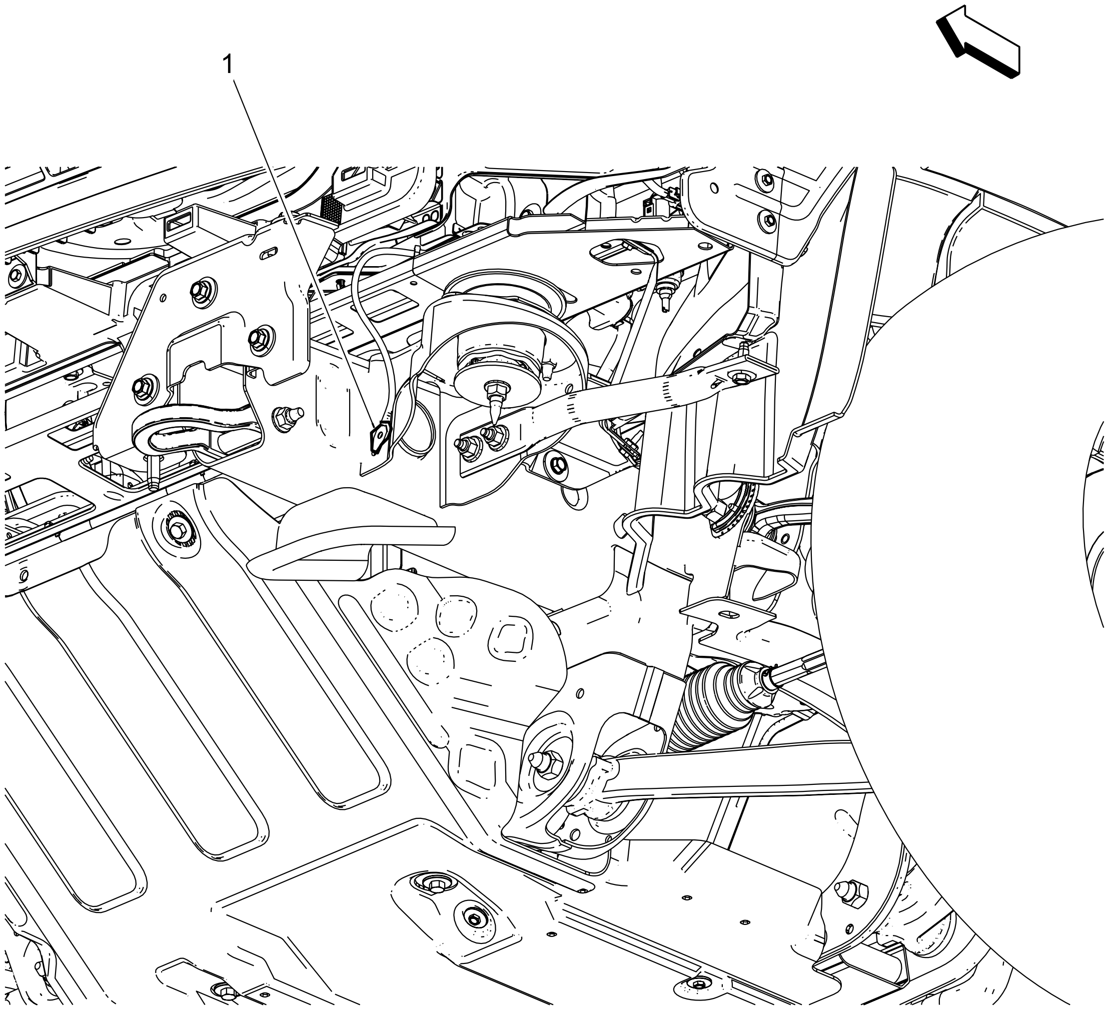


Items

1. E18 Rear Defogger Grid
2. E6 Center High Mounted Stop Lamp
3. E5AH Tail/Stop and Turn Signal Lamp - Right Upper
4. E5B Backup Lamp - Right
5. E5V Tail/Stop and Turn Signal Lamp - Right Lower
6. B78H Rear Object Sensor - Right Outer (UD7)
7. B78F Rear Object Sensor - Right Middle (UD7)
8. E7R License Plate Lamp - Right
9. X88 Trailer Connector
10. E7L License Plate Lamp - Left
11. B78E Rear Object Sensor - Left Middle (UD7)

11. B78E Rear Object Sensor - Left Middle (UD7)
12. B78G Rear Object Sensor - Left Outer (UD7)
13. E5U Tail/Stop and Turn Signal Lamp - Left Lower
14. E5A Backup Lamp - Left
15. E5AG Tail/Stop and Turn Signal Lamp - Left Upper

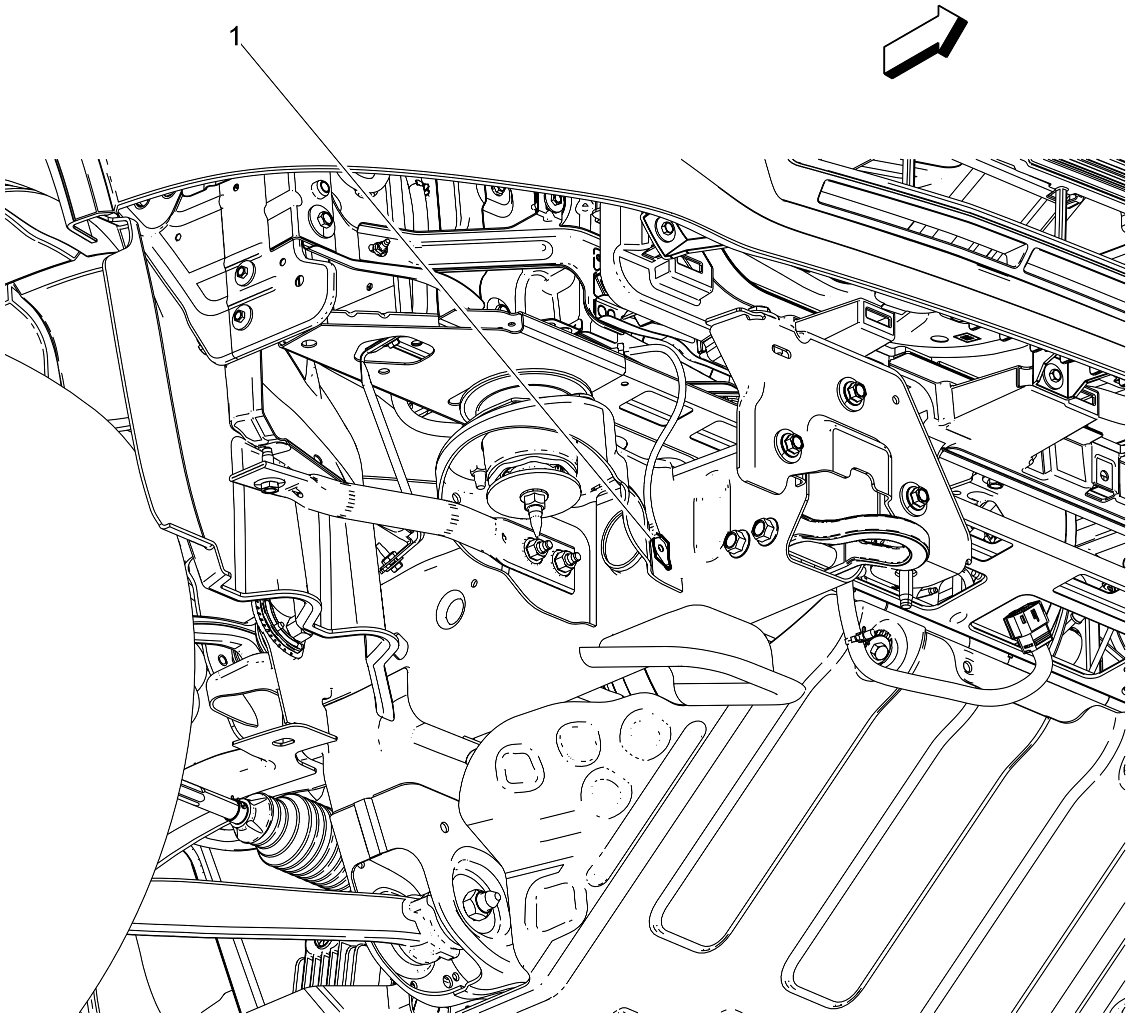
G101



Items

1. G101

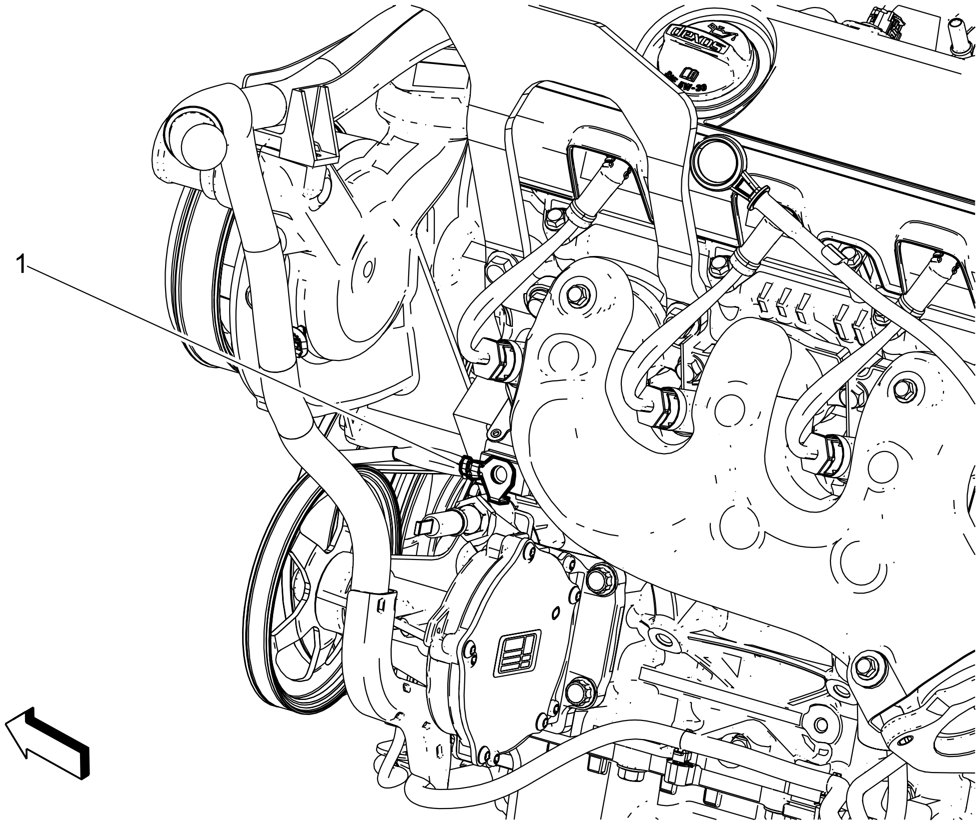
G102



Items

1. G102

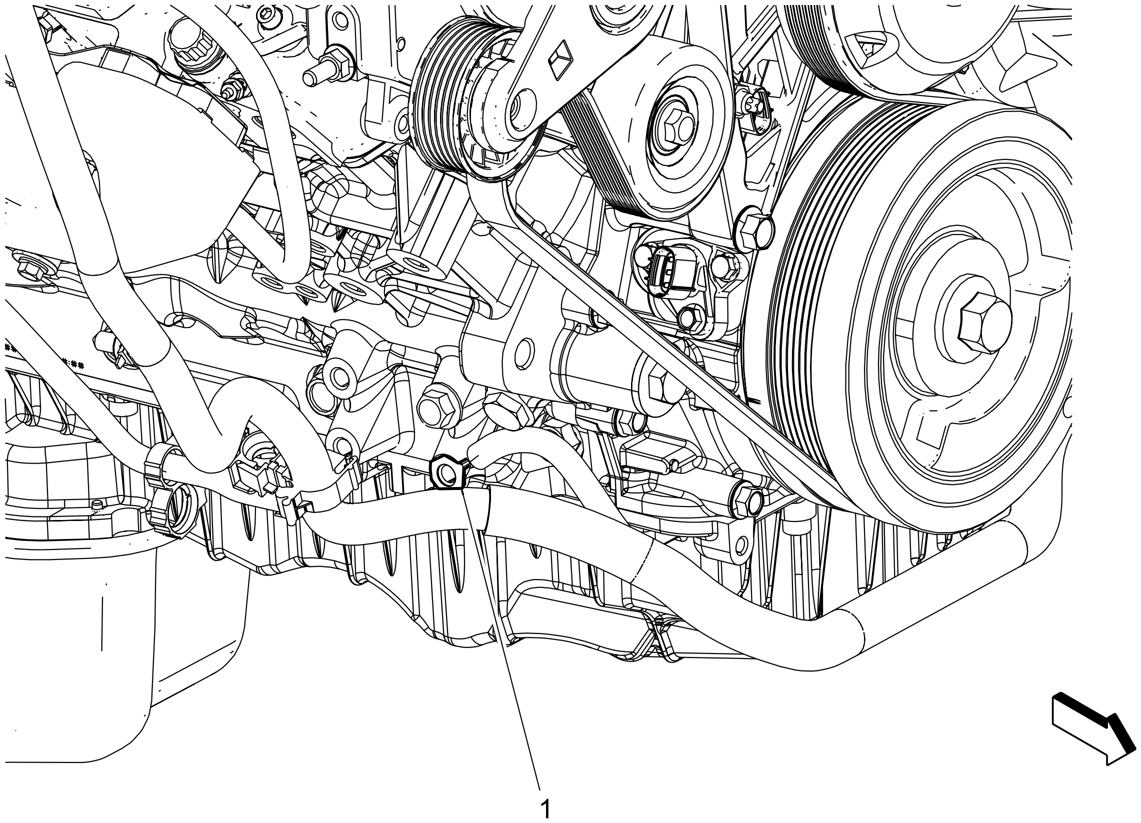
G110



Items

1. G110

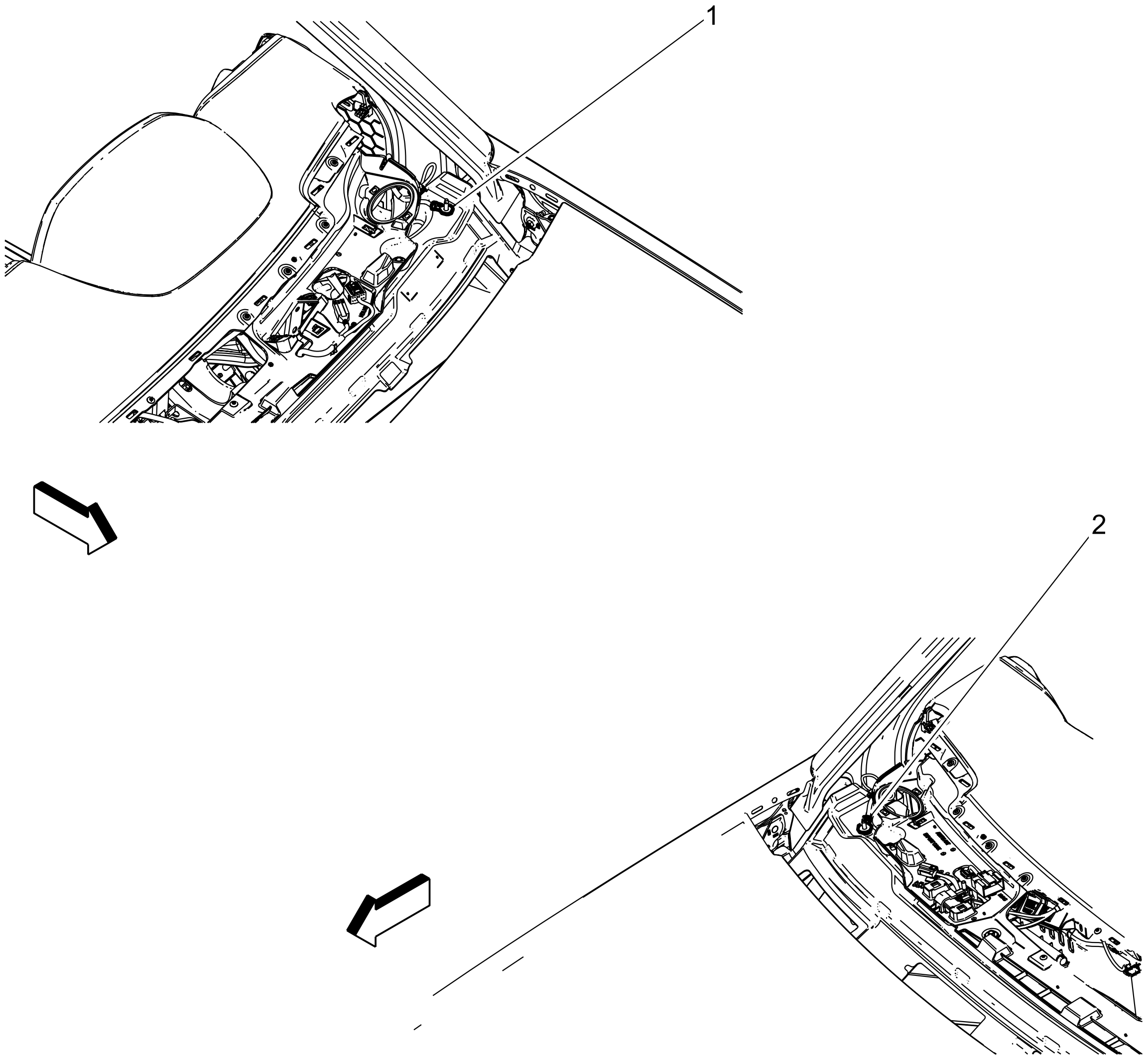
G120



Items

1. G120

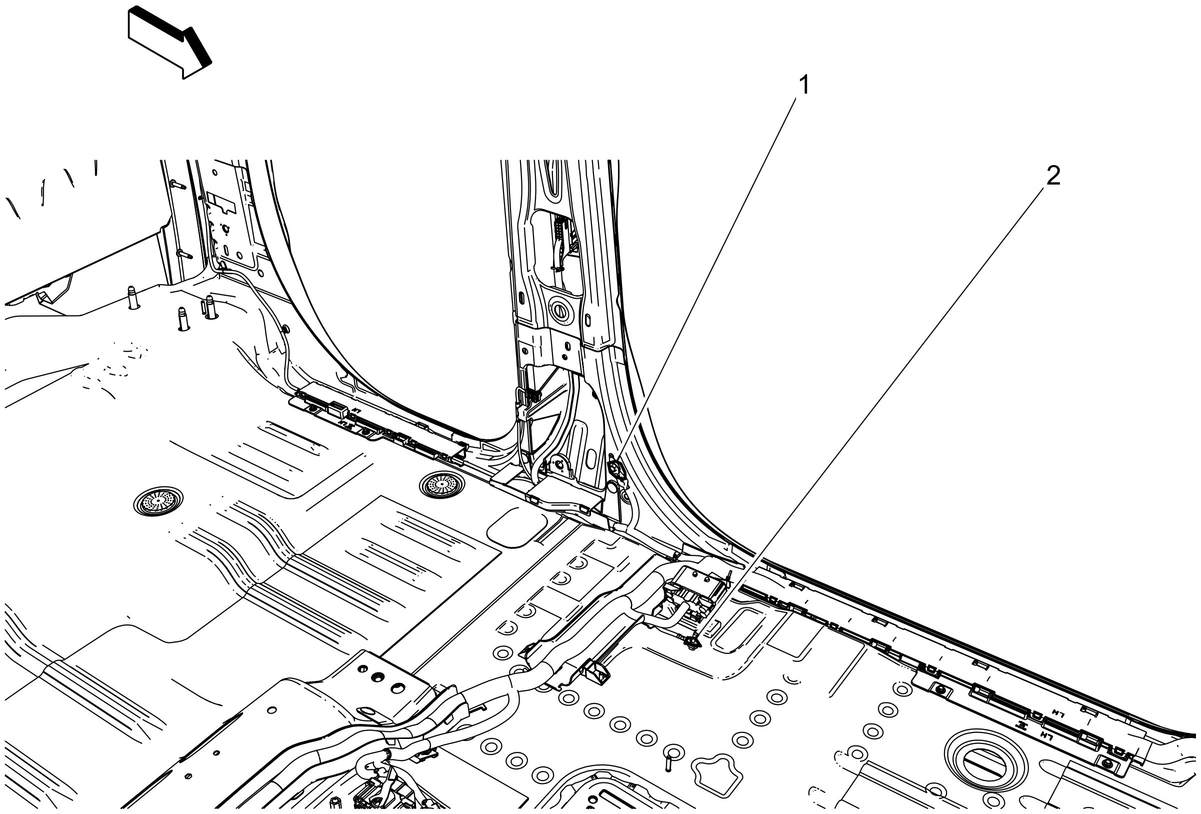
G210 and G218



Items

1. G218
2. G210

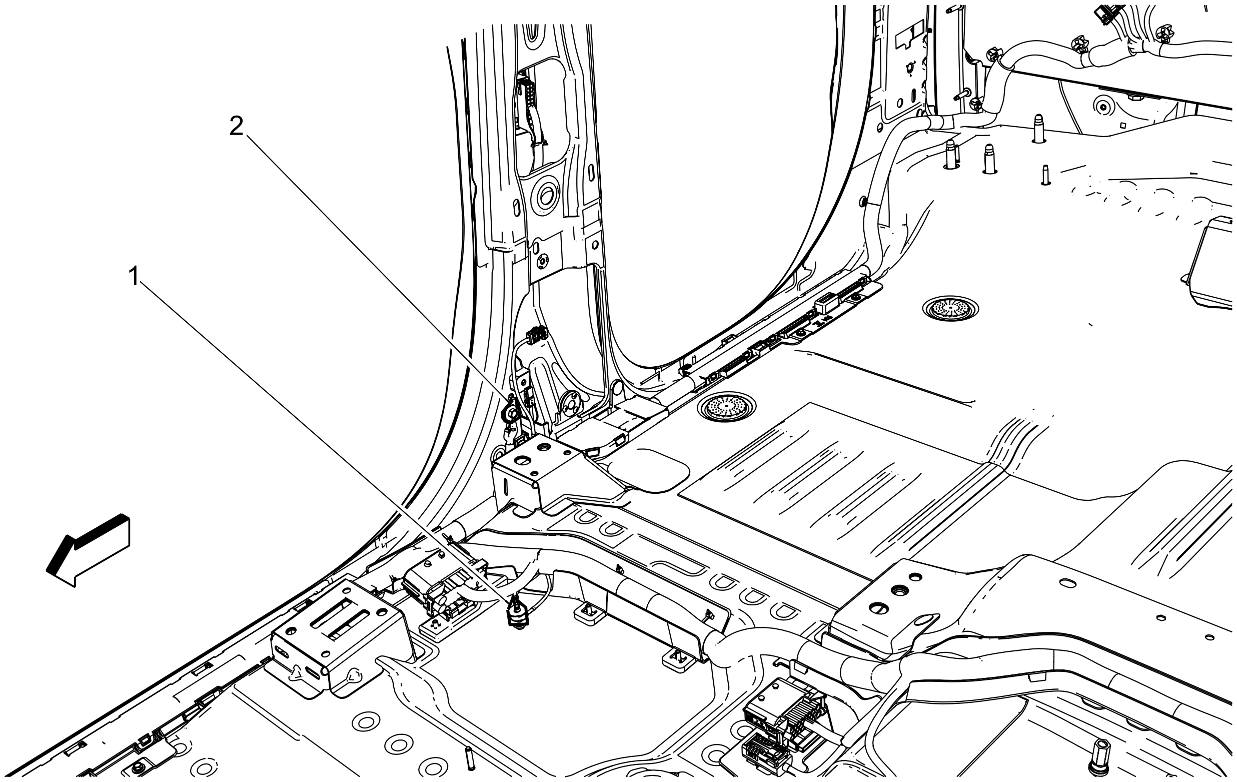
G311 and G325



Items

1. G311
2. G325

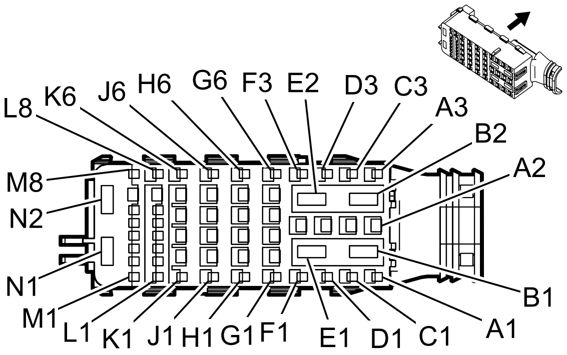
G312 and G327



Items

1. G327
2. G312

X50A Fuse Block - Underhood X1



Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13966830

Service Connector: Pending

Description: 58-Way F 1.5, 2.8, 800 Metri Pack Series (D-BU)

Terminal Part Information

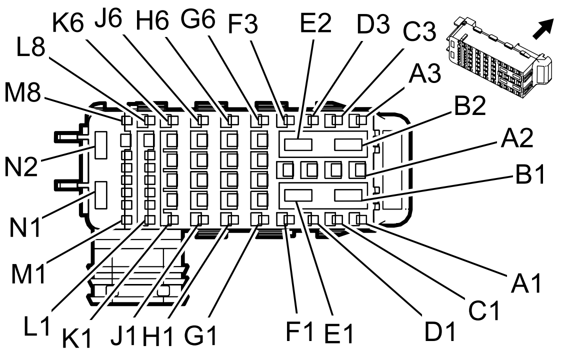
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

X50A Fuse Block - Underhood X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A-C	-	-	-	Not Occupied	-	-
D1	0.75	YE	712	Left Headlamp Low Beam Supply Voltage	I	-
D3	0.75	L-GN/VT	1315	Right Front Turn Signal Lamp Supply Voltage	I	-
E	-	-	-	Not Occupied	-	-
F1	0.5	GY/BN	309	Right Park Lamp Supply Voltage	I	-
F2	0.75	GY/VT	228	Windshield Washer Pump Control	I	-
F3	0.75	D-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage	I	-
G1	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	-
G4	0.5	BK	150	Ground	I	-
H2	0.75	GY/D-BU	7538	Left Front DRL Supply Voltage	I	-
H4	0.5	WH	311	Right Headlamp High Beam Supply Voltage	I	-
H6	0.75	D-BU/BN	7539	Right Front DRL Supply Voltage	I	-
J2	0.75	BN/GY	29	Horn Control	I	-
J3	0.5	BN/VT	2234	Front Fog Lamp Supply Voltage	I	-
J4	0.5	WH	711	Left Headlamp High Beam Supply Voltage	I	-

J5	0.75	YE	312	Right Headlamp Low Beam Supply Voltage	I	-
K-	-	-	-	Not Occupied	-	-

X50A Fuse Block - Underhood X2



Connector Part Information

Harness Type: Engine

OEM Connector: 13967717

Service Connector: Pending

Description: 58-Way F 1.5, 2.8, 800 Metri Pack Series (GN)

Terminal Part Information

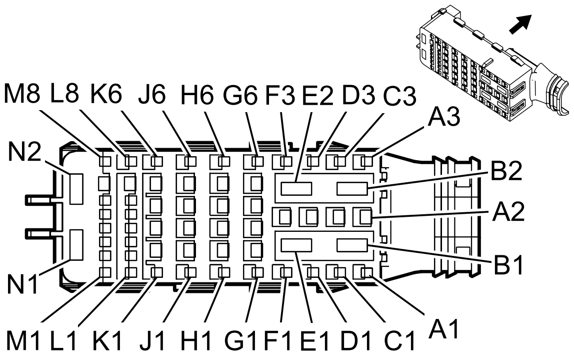
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-44 (YE)	J-38125-558	12110127	19	F	G
III	13575355	J-35616-44 (YE)	J-38125-558	12110127	19	F	G

X50A Fuse Block - Underhood X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A1	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	I	-
B	-	-	-	Not Occupied	-	-
C1	0.75	BN/L-GN	59	A/C Compressor Clutch Supply Voltage	I	-
D3	0.5	YE/BK	625	Starter Enable Relay Control	I	-
E2	4 3	YE YE	6 6	Starter Solenoid Crank Voltage Starter Solenoid Crank Voltage	II	-
F2	2.5	BK	550	Ground	I	-
G1	0.5	WH	2368	Cooling Fan Control Signal	I	-
G3	0.75 0.5	VT/D-BU VT/D-BU	5293 5293	Powertrain Main Relay Fused Supply (4) Powertrain Main Relay Fused Supply (4)	I	-
G4	2.5	VT/D-BU	5290	Powertrain Main Relay Fused Supply (1)	I	-
G5	0.75	RD/L-GN	1840	Battery Positive Voltage	I	-
G6	0.5	RD/WH	3440	Battery Positive Voltage	I	-
H1	0.5	L-GN/GY	465	Fuel Pump Primary Relay Control	I	-

H1	0.5	L-GN/GY	465	Fuel Pump Primary Relay Control	I	-
H2	1.5	VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-
H3	0.75	VT/D-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
H5	0.5	RD/BN	440	Battery Positive Voltage	I	-
H6	0.5	YE	5991	Powertrain Relay Coil Control	I	-
J2	0.5	VT/D-BU	5294	Powertrain Main Relay Fused Supply (5)	I	-
J4	1.5	VT/D-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-
J5	0.5	VT/D-BU	5294	Powertrain Main Relay Fused Supply (5)	I	-
J6	0.75	VT/D-BU	5290	Powertrain Main Relay Fused Supply (1)	I	-
K3	0.75	VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-
K5	0.75	VT/D-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-
L7	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	I	-
M1	0.5	YE/D-BU	1465	Secondary Fuel Pump Relay Control	I	-
M3	0.5	WH/BK	2366	Cooling Fan Control Relay Speed Signal	I	-
M6	0.75	BK/WH	451	Signal Ground	I	-
M7	0.5	VT/L-GN	439	Run/Crank Ignition 1 Voltage	I	-
M8	0.5	VT/WH	239	Run/Crank Ignition 1 Voltage	I	-
N1	2.5	RD/L-GN	742	Battery Positive Voltage	III	-

X50A Fuse Block - Underhood X3



Connector Part Information

Harness Type: Body

OEM Connector: 13935987

Service Connector: Pending

Description: 58-Way F 1.5, 2.8, 800 Metri Pack Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-44 (YE)	J-38125-558	12092445	18	G	G
III	13575355	J-35616-44 (YE)	J-38125-558	12110127	19	F	G

X50A Fuse Block - Underhood X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A1	0.5	YE/D-BU	18	Left Rear Stop/Turn Lamp Supply Voltage	I	-
B1	4	RD/GY	1342	Battery Positive Voltage	II	-
B2	2.5	RD/D-BU	1842	Battery Positive Voltage	III	-
C1	0.5	BN/L-GN	19	Right Rear Stop/Turn Lamp Supply Voltage	I	-
D1	0.75	L-GN/VT	1315	Right Front Turn Signal Lamp Supply Voltage	I	-
E	-	-	-	Not Occupied	-	-
F1	0.75	D-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage	I	-
F3	0.5	D-BU/L-GN	962		I	-
G1	0.75	D-BU/BN	7539	Right Front DRL Supply Voltage	I	-
H2	1	BK	550	Ground	I	-
J1	0.35	WH/VT	860	Front Windshield Wiper Switch High Signal	I	-
K1	0.5	VT/WH	5065	Stop Lamp Relay Coil Supply Voltage	I	-
K3	1	YE/BN	95	Windshield Wiper Motor Low Speed Control	I	-

K4	1	WH	92	Windshield Wiper Motor High Speed Control	I	-
K6	0.35	BN/GY	2268	Windshield Washer Relay Control	I	-
L2	0.35	BN/VT	1969	Headlamp High Beam Relay Control	I	-
L4	0.35	GY	91	Windshield Wiper Motor Relay Coil Supply Voltage	I	-
L5	0.5	BN/WH	1317	Fog Lamp Relay Control	I	-
L6	0.35	BN/WH	28	Horn Relay Control	I	-
L7	0.5	BN/YE	2267	Mirror Heating Element Supply Voltage	I	-
M1	0.75	YE	312	Right Headlamp Low Beam Supply Voltage	I	-
M5	0.5	D-BU/L-GN	961		I	-
M6	0.5	VT/GY	1054	Stop Lamp Supply Voltage	I	-
M7	2.5	RD/L-GN	965		I	-
N-	-	-	-	Not Occupied	-	-

X50A Fuse Block - Underhood X3

Connector Part Information

Harness Type: Body

OEM Connector: 13979971

Service Connector: Pending

Description: 58 F 1.5, 2.8, 800 Metri Pack Series

Terminal Part Information

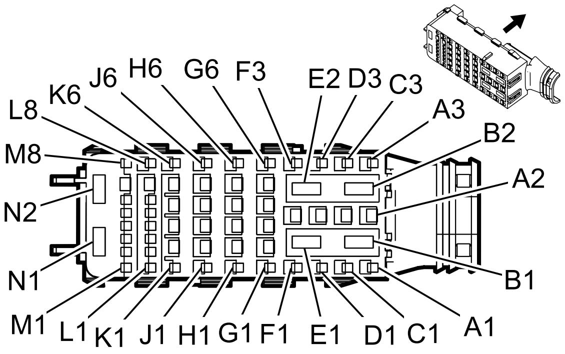
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-44 (YE)	J-38125-558	12092445	18	G	G

X50A Fuse Block - Underhood X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A1	0.5	YE/D-BU	18	Left Rear Stop/Turn Lamp Supply Voltage	I	-
B1	4	RD/GY	1342	Battery Positive Voltage	II	-
C1	0.5	BN/L-GN	19	Right Rear Stop/Turn Lamp Supply Voltage	I	-
D1	0.75	L-GN/VT	1315	Right Front Turn Signal Lamp Supply Voltage	I	-
E	-	-	-	Not Occupied	-	-
F1	0.75	D-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage	I	-
F3	0.5	D-BU/L-GN	962		I	-
G1	0.75	D-BU/BN	7539	Right Front DRL Supply Voltage	I	-
H2	1	BK	550	Ground	I	-
J1	0.35	WH/VT	860	Front Windshield Wiper Switch High Signal	I	-
K1	0.5	VT/WH	5065	Stop Lamp Relay Coil Supply Voltage	I	-
K3	1	YE/BN	95	Windshield Wiper Motor Low Speed Control	I	-
K4	1	WH	92	Windshield Wiper Motor High Speed Control	I	-
K6	0.35	BN/GY	2268	Windshield Washer Relay Control	I	-
L2	0.35	BN/VT	1969	Headlamp High Beam Relay Control	I	-
L4	0.35	GY	91	Windshield Wiper Motor Relay Coil Supply Voltage	I	-
L5	0.5	BN/WH	1317	Fog Lamp Relay Control	I	-
L6	0.35	BN/WH	28	Horn Relay Control	I	-
L7	0.5	BN/YE	2267	Mirror Heating Element Supply Voltage	I	-
M1	0.75	YE	312	Right Headlamp Low Beam Supply Voltage	I	-

[illegible]	[illegible]	[illegible]	[illegible]	Right Headlamp Low Beam Supply Voltage	[illegible]	
M5	0.5	D-BU/L-GN	961		I	-
M6	0.5	VT/GY	1054	Stop Lamp Supply Voltage	I	-
M7	2.5	RD/L-GN	965		I	-
N-	-	-	-	Not Occupied	-	-

X50A Fuse Block - Underhood X4



Connector Part Information

Harness Type: Body

OEM Connector: 13935986

Service Connector: Pending

Description: 58-Way F 1.5, 2.8, 800 Metri Pack Series (BK)

Terminal Part Information

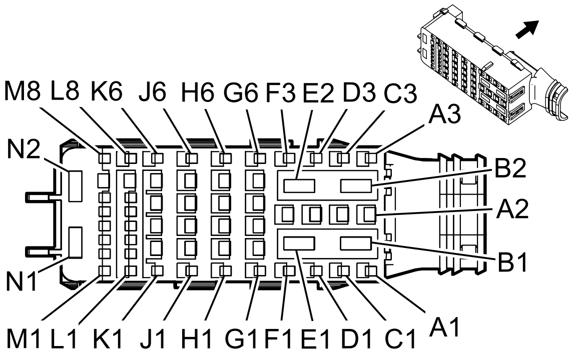
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-44 (YE)	J-38125-558	12110127	19	F	G
III	13575355	J-35616-44 (YE)	J-38125-558	12110127	19	F	G

X50A Fuse Block - Underhood X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A3	0.5	L-GN/WH	24	Backup Lamp Supply Voltage	I	-
B2	5	RD/VT	842	Battery Positive Voltage	II	-
C	-	-	-	Not Occupied	-	-
D3	0.5	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
E2	5	RD/D-BU	42	Battery Positive Voltage	II	-
F3	0.35	L-GN/WH	24	Backup Lamp Supply Voltage	I	-
G2	2.5	RD/L-GN	966		I	-
H5	2.5	RD/L-GN	242	Battery Positive Voltage	I	-
J1	0.75	GY/D-BU	7538	Left Front DRL Supply Voltage	I	-
J6	0.75	BK/WH	451	Signal Ground	I	-
K1	0.75	YE	712	Left Headlamp Low Beam Supply Voltage	I	-
K2	2.5	RD/L-GN	968		I	-
K5	2.5	RD/L-GN	967		I	-

K6	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	-
L1	0.5	D-BU/L-GN	964		I	-
L2	0.35	YE/GY	5187	Right Trailer Turn Signal Lamp	I	-
L3	0.35	D-BU/BN	38	Backup Lamp Relay Control	I	-
L4	0.35	D-BU/WH	5186	Left Trailer Turn Signal Lamp	I	-
L5	0.35	D-BU	45	Park Lamp Relay Control	I	-
L6	0.5	D-BU/L-GN	963		I	-
M1	0.75	RD/YE	2340	Battery Positive Voltage	I	-
M2	0.35	BN/VT	193	Rear Defog Relay Control	I	-
M5	0.35	L-GN/VT	5199	Run/Crank Relay Coil Control	I	-
N1	2.5	BN/VT	293	Rear Defog Element Supply Voltage	III	-

X50A Fuse Block - Underhood X5



Connector Part Information

Harness Type: Chassis

OEM Connector: 13935988

Service Connector: Service by Harness - See Part Catalog

Description: 58-Way F 1.5, 2.8, 800 Metri Pack Series (NA)

Terminal Part Information

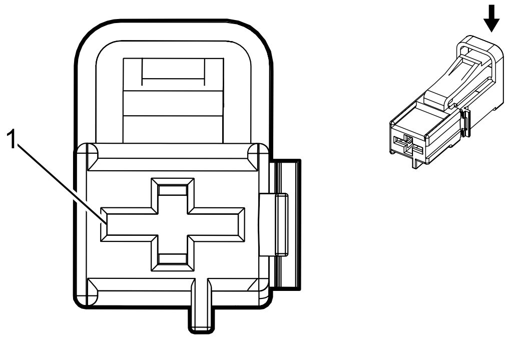
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-44 (YE)	J-38125-558	12110127	19	F	G

X50A Fuse Block - Underhood X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A2	0.75	YE/D-BU	18	Left Rear Stop/Turn Lamp Supply Voltage	I	-
A3	0.75	BN/L-GN	19	Right Rear Stop/Turn Lamp Supply Voltage	I	-
B1	5	RD/YE	442	Battery Positive Voltage	II	-
C1	0.75	L-GN/WH	24	Backup Lamp Supply Voltage	I	-
D1	0.5	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
D2	1.5	GY	120	Fuel Pump Supply Voltage	I	-
E	-	-	-	Not Occupied	-	-
F1	0.5	L-GN/WH	24	Backup Lamp Supply Voltage	I	-
G4	0.75	RD/WH	2040	Battery Positive Voltage	I	-
H3	0.5	RD/L-GN	1840	Battery Positive Voltage	I	-
J2	2.5	RD/L-GN	242	Battery Positive Voltage	I	-
J3	1.5	GY/BN	2109	Trailer Park Lamp Supply Voltage	I	-
J4	2.5	RD/VT	1640	Battery Positive Voltage	I	-
J5	0.75	PU/L-GN	439	Run/Crank Ignition 1 Voltage	I	-

K2	0.75	VT/GY	709	Left Park Lamp Supply Voltage	I	-
K4	0.75	GY/BN	309	Right Park Lamp Supply Voltage	I	-
K5	0.75	YE/GY	1618	Left Rear Trailer Stop/Turn Lamp Supply Voltage	I	-
K6	0.75	L-GN/VT	1619	Right Rear Trailer Stop/Turn Lamp Supply Voltage	I	-
L7	2.5	GY	120	Fuel Pump Supply Voltage	I	-
M1	0.5	VT/GY	1054	Stop Lamp Supply Voltage	I	-
M8	0.75	WH/L-GN	1624	Trailer Backup Lamp Supply Voltage	I	-
N2	4	RD/L-GN	742	Battery Positive Voltage	II	-

X50D Fuse Block - Battery X1



Connector Part Information

Harness Type: Body

OEM Connector: 13629098

Service Connector: Pending

Description: 1-Way F 8.0 Series (BU)

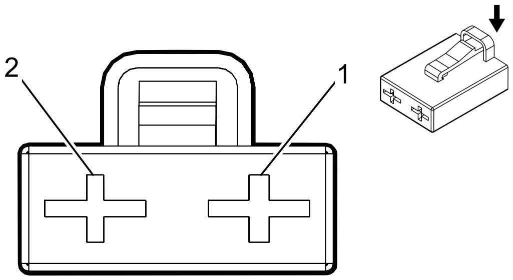
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

X50D Fuse Block - Battery X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	10	RD/GY	642	Battery Positive Voltage	I	-

X50D Fuse Block - Battery X2



Connector Part Information

Harness Type: Body

OEM Connector: 13627842

Service Connector: Not Available

Description: 2-Way F 8.0 Series (BU)

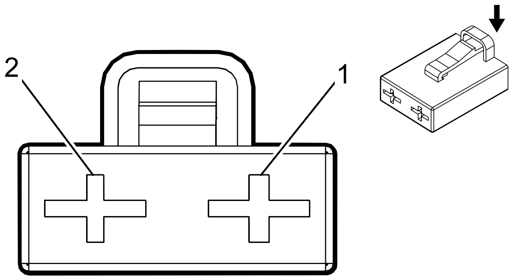
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X50D Fuse Block - Battery X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	6	RD/GY	142	Battery Positive Voltage	I	-
2	6	RD/L-GN	242	Battery Positive Voltage	I	-

X50D Fuse Block - Battery X7



Connector Part Information

Harness Type: Body

OEM Connector: 13627842

Service Connector: Pending

Description: 2-Way F 8.0 Series (BU)

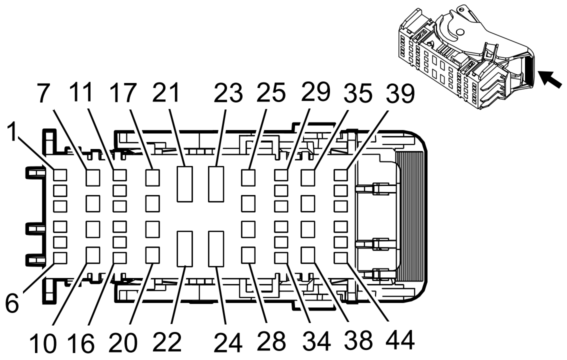
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

X50D Fuse Block - Battery X7

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	6	RD/GY	142	Battery Positive Voltage	I	-
2	6	RD/L-GN	242	Battery Positive Voltage	I	-

X51L Fuse Block - Instrument Panel Left X1



Connector Part Information

Harness Type: Body

OEM Connector: 13967687

Service Connector: Pending

Description: 44-Way F 1.5, 2.8, 800 Metri Pack Series (BK)

Terminal Part Information

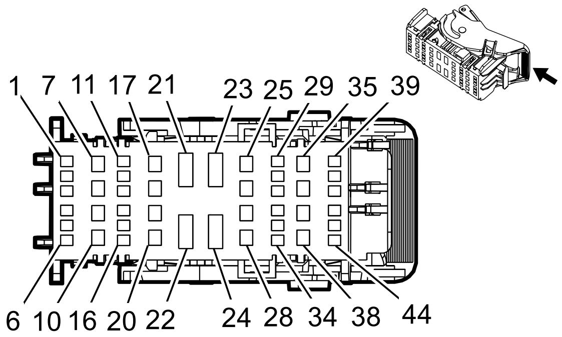
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-44 (YE)	J-38125-558	12110127	19	F	G

X51L Fuse Block - Instrument Panel Left X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	0.75	RD/L-GN	5140	Battery Positive Voltage	I	-
5	0.5 0.35	RD/L-GN RD/L-GN	4440 4440	Battery Positive Voltage Battery Positive Voltage	I	-
6-14	-	-	-	Not Occupied	-	-
15	0.35	L-GN/GY	5286	Adjustable Pedal Switch Forward Signal	I	-
16	0.5 0.35	RD/VT RD/VT	1940 1940	Battery Positive Voltage Battery Positive Voltage	I	-
17	2.5	RD/YE	3740	Battery Positive Voltage	I	-
18	0.75	RD/L-GN	5140	Battery Positive Voltage	I	-
19	-	-	-	Not Occupied	-	-
20	0.75	L-GN/VT	5130	Adjustable Pedal Actuator Forward Control	I	-
21	5	RD/VT	842	Battery Positive Voltage	II	-
22	-	-	-	Not Occupied	-	-
23	5	RD/D-BU	42	Battery Positive Voltage	II	-

23	5	RD/D-BU	42	Battery Positive Voltage	I	-
24-26	-	-	-	Not Occupied	-	-
27	2.5	RD/YE	5040	Battery Positive Voltage	I	-
28	0.75	YE	5129	Adjustable Pedal Actuator Rearward Control	I	-
29	-	-	-	Not Occupied	-	-
30	0.5	VT/WH	1939	Run/Crank Ignition 1 Voltage	I	-
31	-	-	-	Not Occupied	-	-
32	0.5	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
33	0.35	WH/GY	5285	Adjustable Pedal Switch Rearward Signal	I	-
34-35	-	-	-	Not Occupied	-	-
36	2.5	RD/D-BU	1842	Battery Positive Voltage	I	-
37	2.5	RD/D-BU	1842	Battery Positive Voltage	I	-
38-41	-	-	-	Not Occupied	-	-
42	0.35	L-GN/VT	5199	Run/Crank Relay Coil Control	I	-
43	0.35	GY/VT	755	RAP Relay Coil Control	I	-
44	0.35	VT/YE	43	Accessory Voltage	I	-

X51L Fuse Block - Instrument Panel Left X2



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13967688

Service Connector: Pending

Description: 44-Way F 1.5, 2.8, 800 Metri Pack Series (GY)

Terminal Part Information

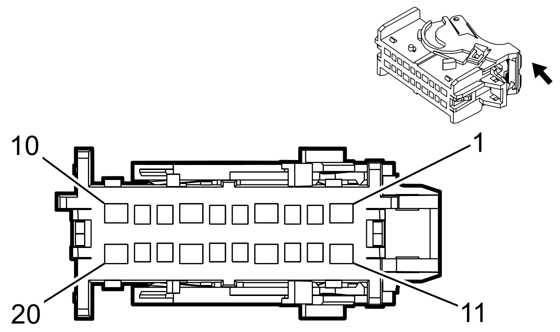
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

X51L Fuse Block - Instrument Panel Left X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.5	YE	6817	LED Backlight Dimming Control	I	-
4	0.35	BN	6136	Supply Voltage	I	-
5	0.5	RD/D-BU	540	Battery Positive Voltage	I	-
6	-	-	-	Not Occupied	-	-
7	0.5	RD/BN	2940	Battery Positive Voltage	I	-
8	1	RD/GY	2140	Battery Positive Voltage	I	-
9	-	-	-	Not Occupied	-	-
10	1.5	RD/BN	4240	Battery Positive Voltage	I	-
11-14	-	-	-	Not Occupied	-	-
15	0.5	VT/GY	539	Run/Crank Ignition 1 Voltage	I	-
16-17	-	-	-	Not Occupied	-	-
18	0.5	RD/WH	2740	Battery Positive Voltage	I	-
19-24	-	-	-	Not Occupied	-	-
25	0.5	RD/VT	3340	Battery Positive Voltage	I	-

26	0.35	RD/D-BU	3240	Battery Positive Voltage	I	-
27	-	-	-	Not Occupied	-	-
28	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	I	-
29-34	-	-	-	Not Occupied	-	-
35	0.5	RD/GY	2840	Battery Positive Voltage	I	-
36	-	-	-	Not Occupied	-	-
37	0.5	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	-
38	0.35	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
39-42	-	-	-	Not Occupied	-	-
43	0.35	YE	6812	Out of Park Signal	I	-
44	0.75	BK	1850	Ground	I	-

X51L Fuse Block - Instrument Panel Left X3



Connector Part Information

Harness Type: Headliner

OEM Connector: 15522322

Service Connector: Not Available

Description: 20-Way F 1.5, 2.8 Series (BK)

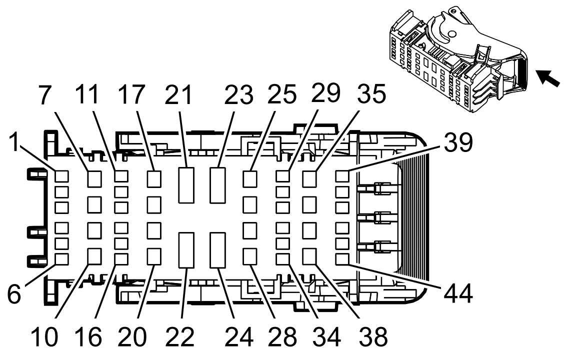
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X51L Fuse Block - Instrument Panel Left X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-10	-	-	-	Not Occupied	-	-
11	0.35	VT/YE	43	Accessory Voltage	I	-
12	0.5	RD/YE	240	Battery Positive Voltage	I	-
13	0.35	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
14	0.35 0.35	VT/WH VT/BK	1139 1139	Run/Crank Ignition 1 Voltage Run/Crank Ignition 1 Voltage	I	-
15-20	-	-	-	Not Occupied	-	-

X51R Fuse Block - Instrument Panel Right X1



Connector Part Information

Harness Type: Body

OEM Connector: 13967689

Service Connector: Pending

Description: 44-Way F 1.5, 2.8, 800 Metri Pack Series (NA)

Terminal Part Information

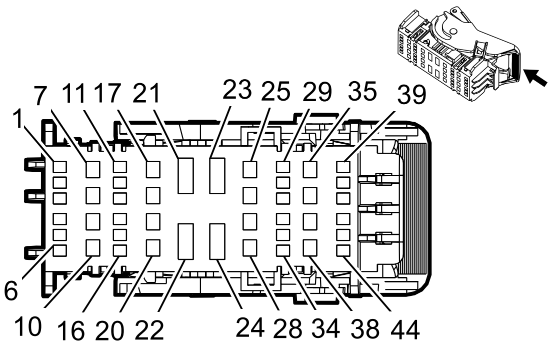
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-44 (YE)	J-38125-558	12092445	18	Not Available	Not Available
III	Pending	J-35616-44 (YE)	J-38125-558	12110127	19	F	G

X51R Fuse Block - Instrument Panel Right X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5 0.75	GY GY	295 295	Door Lock Actuator Lock Control Door Lock Actuator Lock Control	I	-
2	1.5	WH/D-BU	3266	Child Security Lock Motor Unlock Control	I	-
3	0.35	VT/YE	3267	Child Security Lock Relay Control	I	-
4	1.5	GY/L-GN	3271	Door Lock Control (2)	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	GY/VT	755	RAP Relay Coil Control	I	-
7-8	-	-	-	Not Occupied	-	-
9	2.5	GY/L-GN	5441	Endgate Window Regulator Down Signal	I	-
10	2.5	YE/D-BU	5442	Endgate Window Regulator Up Signal	I	-
11	-	-	-	Not Occupied	-	-
12	0.75	RD/D-BU	4540	Battery Positive Voltage	I	-
13	0.75	RD/VT	2640	Battery Positive Voltage	I	-
14	-	-	-	Not Occupied	-	-

14	-	-	-	Not Occupied	-	-
15	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	-
16	0.5	RD/BN	1140	Battery Positive Voltage	I	-
17	-	-	-	Not Occupied	-	-
18	1.5 1.5	VT/YE RD/D-BU	143 840	Accessory Voltage Battery Positive Voltage	I	-
19	2.5	RD/WH	1340	Battery Positive Voltage	I	-
20	2.5	RD/WH	1340	Battery Positive Voltage	I	-
21	6	RD/L-GN	242	Battery Positive Voltage	II	-
22	4	RD/VT	542	Battery Positive Voltage	III	-
23	-	-	-	Not Occupied	-	-
24	6	RD/GY	142	Battery Positive Voltage	II	-
25-26	-	-	-	Not Occupied	-	-
27	0.75	RD/VT	340	Battery Positive Voltage	I	-
28	-	-	-	Not Occupied	-	-
29	1.5	D-BU/WH	195	Door Lock Control	I	-
30-32	-	-	-	Not Occupied	-	-
33	0.75	RD/WH	3440	Battery Positive Voltage	I	-
34-36	-	-	-	Not Occupied	-	-
37	0.75	RD/L-GN	6140	Battery Positive Voltage	I	-
38	2.5	RD/BN	1440	Battery Positive Voltage	I	-
39	-	-	-	Not Occupied	-	-
40	0.75	GY	5911	Door Lock Actuator Lock Control 2	I	-
41-42	-	-	-	Not Occupied	-	-
43	0.75	RD/L-GN	3140	Battery Positive Voltage	I	-
44	-	-	-	Not Occupied	-	-

X51R Fuse Block - Instrument Panel Right X2



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13967690

Service Connector: Pending

Description: 44-Way F 1.5, 2.8, 800 Metri Pack Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	13575355	J-35616-44 (YE)	J-38125-558	12110127	19	F	G
III	Pending	J-35616-35 (VT)	J-38125-12A	1326030-8	17	A	4

X51R Fuse Block - Instrument Panel Right X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	0.5	BN/WH	1429	Standing Lamp Relay Control	I	-
5	0.5	BK	1050	Ground	I	-
6	-	-	-	Not Occupied	-	-
7	0.75	RD/VT	4040	Battery Positive Voltage	I	-
8	0.75	RD/D-BU	2540	Battery Positive Voltage	I	-
9-10	-	-	-	Not Occupied	-	-
11	0.75	WH/VT	1430	Exterior Courtesy Lamp Supply Voltage	I	-
12-15	-	-	-	Not Occupied	-	-
16	0.35	RD/YE	3040	Battery Positive Voltage	I	-
17	0.75 1	RD/VT RD/VT	340 340	Battery Positive Voltage Battery Positive Voltage	I	-
18-21	-	-	-	Not Occupied	-	-
22	2.5	BK	1050	Ground	II	-

22	2.5	BK	1050	Ground	II	-
23-28	-	-	-	Not Occupied	-	-
29	0.5	RD/BN	2240	Battery Positive Voltage	I	-
30-31	-	-	-	Not Occupied	-	-
32	0.35	YE/VT	6191	Power Sliding Window Switch Open Signal	I	-
33	0.35	WH	6192	Power Sliding Window Switch Close Signal	I	-
34	0.5	RD/WH	640	Battery Positive Voltage	I	-
35	2.5	RD/GY	4140	Battery Positive Voltage	I	-
36-37	-	-	-	Not Occupied	-	-
38	1.5	RD/YE	2340	Battery Positive Voltage	III	-
39-44	-	-	-	Not Occupied	-	-

X51R Fuse Block - Instrument Panel Right X3

Connector Part Information

Harness Type: Headliner

OEM Connector: 15522323

Service Connector: Pending

Description: 20 F 1.5, 2.8 OCS Series

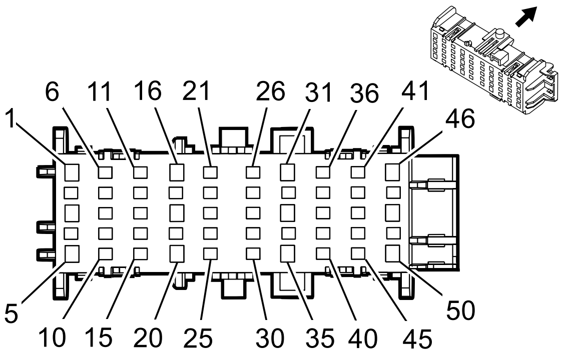
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-4A (PU)	J-38125-11A	7116-4110-02	9	E	C
III	Pending	J-35616-35 (VT)	J-38125-11A	7116-4112-02	9	C	D

X51R Fuse Block - Instrument Panel Right X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	RD/L-GN	3140	Battery Positive Voltage	I	-
2-7	-	-	-	Not Occupied	-	-
8	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	-
9	-	-	-	Not Occupied	-	-
10	0.5	BK	1050	Ground	II	-
	2.5	BK	1050	Ground		
11-20	-	-	-	Not Occupied	-	-

X61A Junction Block - Instrument Panel X1



Connector Part Information

Harness Type: Body

OEM Connector: 15501741

Service Connector: 19301798

Description: 50-Way F 1.5, 2.8 OCS Series (BK)

Terminal Part Information

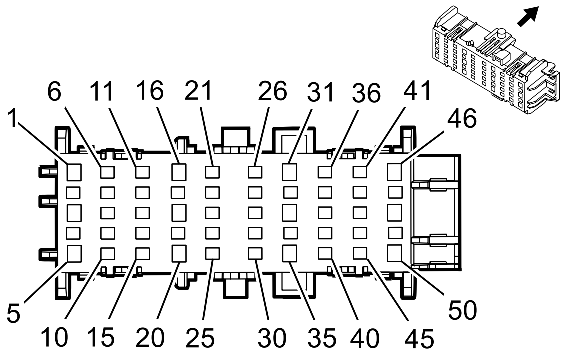
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

X61A Junction Block - Instrument Panel X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.5	GY/BK	1570	Front Axle Actuator Control	I	-
3-10	-	-	-	Not Occupied	-	-
11	0.35	GY/L-GN	2555	Rear Park Assist Disable Signal	I	-
12-15	-	-	-	Not Occupied	-	-
16	2.5	RD/L-GN	965		I	-
17	0.75	WH/VT	1430	Exterior Courtesy Lamp Supply Voltage	I	-
18	0.5	D-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
19	0.5	D-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
20	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
21	0.5	D-BU/L-GN	961		I	-
22	0.35	VT	185	Low Washer Fluid Indicator Control	I	-
23	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	I	-
24	0.5	BN	7634	Integrated Trailer Brake Contoller Redundant Manual Apply Signal	I	-
25	0.35	GY	5697	Child Lockout Indicator	I	-

26	0.5	D-BU/RD	7632	Integrated Trailer Brake Controller Switch 5 Volt Reference	I	-
27	0.5	BK/BN	7631	Integrated Trailer Brake Controller Switch Low Reference	I	-
28	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	I	-
29	0.5	YE	7635	Integrated Trailer Brake Controller Manual Apply Signal	I	-
30	0.5	D-BU/L-GN	963		I	-
31	2.5	RD/L-GN	966		I	-
32	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
33	0.5	VT/BN	300	Run Ignition 3 Voltage	I	-
34	0.5	D-BU/L-GN	962		I	-
35	2.5	RD/L-GN	967		I	-
36	0.35	WH/GY	5285	Adjustable Pedal Switch Rearward Signal	I	-
37	-	-	-	Not Occupied	-	-
38	0.5	D-BU/L-GN	964		I	-
39	0.75 1	D-BU/VT D-BU/VT	1134 1134	Park Brake Switch Signal Park Brake Switch Signal	I	-
40	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
41	0.5	L-GN/BK	7633	Integrated Trailer Brake Controller User Gain Signal	I	-
42	0.35	L-GN/GY	5286	Adjustable Pedal Switch Forward Signal	I	-
43	-	-	-	Not Occupied	-	-
44	0.5	WH/D-BU	3691	Trailer Brake Apply Signal	I	-
45	0.35	L-GN/BN	5852	Rear Park Assist LED Disable Signal	I	-
46	0.5	VT/WH	1939	Run/Crank Ignition 1 Voltage	I	-
47	0.5	WH	6816	Indicator Dimming Control	I	-
48	2.5	RD/L-GN	968		I	-
49	0.5	YE/WH	816	Brake Transmission Shift Interlock Solenoid Control	I	-
50	2.5	BK	2550	Ground	I	-

X61A Junction Block - Instrument Panel X2



Connector Part Information

Harness Type: Body

OEM Connector: 15501742

Service Connector: Pending

Description: 50-Way F 1.5, 2.8 OCS Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-35 (VT)	J-38125-12A	1326030-8	17	B	F

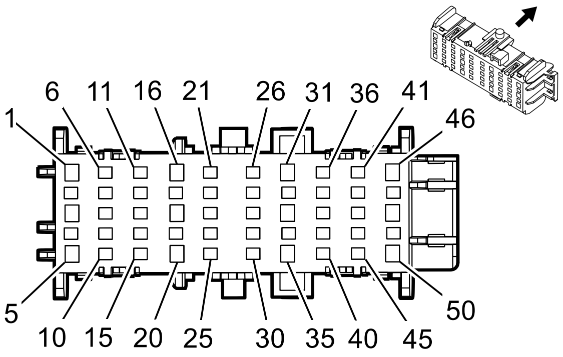
X61A Junction Block - Instrument Panel X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	4	RD/GY	1342	Battery Positive Voltage	II	-
4	0.35	D-BU	2307	Passenger Air Bag On Indicator Control	I	-
5	0.5	RD/L-GN	3140	Battery Positive Voltage	I	-
6	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
7	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
8	0.35	WH/RD	6207	Memory Sensor High Reference	I	-
9	0.35	BK/YE	1691	Automatic Day/Night Mirror Low Reference	I	-
10	0.35	YE/WH	1690	Automatic Day/Night Mirror Signal	I	-
11	0.35	D-BU	5952	Adjustable Pedal Position Sensor Brake Signal	I	-
12	0.75 1.5	YE YE	5129 5129	Adjustable Pedal Actuator Rearward Control Adjustable Pedal Actuator Rearward Control	I	-
13-14	-	-	-	Not Occupied	-	-
15	0.5	L-GN/WH	24	Backup Lamp Supply Voltage	I	-
16	2.5	YE/BN	1569	Transfer Case Lock Solenoid Control	I	-

16	2.5	YE/BN	1569	Transfer Case Lock Solenoid Control	I	-
17	-	-	-	Not Occupied	-	-
18	4	BK	550	Ground	II	-
19	0.35	VT/WH	5234	Passenger Seat Belt Indicator	I	-
20	-	-	-	Not Occupied	-	-
21	1.5 0.75	L-GN/VT L-GN/VT	5130 5130	Adjustable Pedal Actuator Forward Control Adjustable Pedal Actuator Forward Control	I	-
22	0.35	BK/GY	6206	Memory Sensor Low Reference	I	-
23	0.5	WH/BN	6815	Inadvertent Power Control	I	-
24	0.35	L-GN	2308	Passenger Air Bag Off Indicator Control	I	-
25	-	-	-	Not Occupied	-	-
26	0.35	D-BU/GY	7473	Incremental Encoder Impulse Signal	I	-
27	0.35	VT	7476	Incremental Encoder Sensor Return	I	-
28	-	-	-	Not Occupied	-	-
29	0.5	GY	157	Interior Lamp Control	I	-
30	0.35	GY	156	Courtesy Lamp Switch Signal	I	-
31	4	YE/VT	1553	Transfer Case Motor Counter Clockwise Control	II	-
32	0.35	YE	7474	Incremental Encoder Direction Signal	I	-
33	0.5	VT/GY	1054	Stop Lamp Supply Voltage	I	-
34	-	-	-	Not Occupied	-	-
35	2.5	RD/L-GN	242	Battery Positive Voltage	I	-
36	0.35	WH/L-GN	7475	Incremental Encoder Sensor (8V) Supply	I	-
37	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator	I	-
38	0.35	VT/YE	5985	Accessory Wakeup Serial Data	I	-
39-43	-	-	-	Not Occupied	-	-
44	0.5	WH/D-BU	3691	Trailer Brake Apply Signal	I	-
45	-	-	-	Not Occupied	-	-
46	4	YE/GY	1552	Transfer Case Motor Clockwise Control	II	-
47	0.5	L-GN/GY	817	Vehicle Speed Signal	I	-
48	2.5	D-BU	47	Trailer Auxiliary Supply Voltage	I	-
49	-	-	-	Not Occupied	-	-
50	0.35	VT/YE	43	Accessory Voltage	I	-

50	0.35	VT/YE	43	Accessory Voltage	I	-

X61A Junction Block - Instrument Panel X3



Connector Part Information

Harness Type: Headliner

OEM Connector: 15501745

Service Connector: Not Available

Description: 50-Way F 1.5, 2.8 OCS Series (BU)

Terminal Part Information

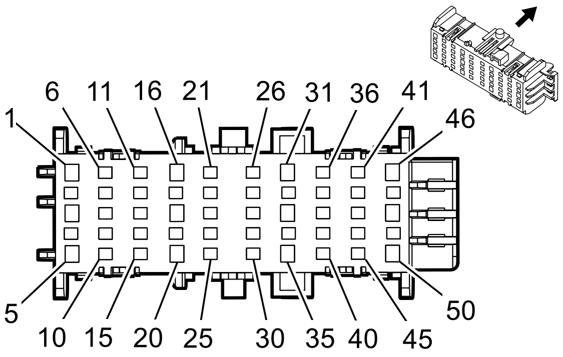
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-2A (GY)	J-38125-11A	7116-4100-08	9	E	C

X61A Junction Block - Instrument Panel X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.5	RD/L-GN	3140	Battery Positive Voltage	I	-
4	0.35	D-BU	2307	Passenger Air Bag On Indicator Control	I	-
5-6	-	-	-	Not Occupied	-	-
7	0.75	WH/VT	1430	Exterior Courtesy Lamp Supply Voltage	I	-
8	0.35	YE/WH	1690	Automatic Day/Night Mirror Signal	I	-
9	0.35	BK/YE	1691	Automatic Day/Night Mirror Low Reference	I	-
10-12	-	-	-	Not Occupied	-	-
13	0.5 0.5	L-GN/WH L-GN/RD	24 24	Backup Lamp Supply Voltage Backup Lamp Supply Voltage	I	-
14-16	-	-	-	Not Occupied	-	-
17	0.35	L-GN/BK	2515	Keypad Supply Voltage	I	-
18	-	-	-	Not Occupied	-	-
19	0.35	VT/WH	5234	Passenger Seat Belt Indicator	I	-
20	-	-	-	Not Occupied	-	-

20	-	-	-	Not Occupied	-	-
21	0.35	L-GN/WH	2514	Keypad Signal	I	-
	0.35	L-GN/D-BU	2514	Keypad Signal		
22	0.35	YE/VT	2516	Keypad Green LED	I	-
	0.35	YE/BN	2516	Keypad Green LED		
23	-	-	-	Not Occupied	-	-
24	0.35	L-GN	2308	Passenger Air Bag Off Indicator Control	I	-
	0.35	L-GN/RD	2308	Passenger Air Bag Off Indicator Control		
25	0.5	WH/BN	6815	Inadvertent Power Control	I	-
26	0.35	WH	6192	Power Sliding Window Switch Close Signal	I	-
27	0.5	YE	6817	LED Backlight Dimming Control	I	-
28	0.35	GY	156	Courtesy Lamp Switch Signal	I	-
	0.35	GY/D-BU	156	Courtesy Lamp Switch Signal		
29	0.5	GY	157	Interior Lamp Control	I	-
30-31	-	-	-	Not Occupied	-	-
32	0.35	YE/VT	6191	Power Sliding Window Switch Open Signal	I	-
33-34	-	-	-	Not Occupied	-	-
35	0.5	VT/GY	1054	Stop Lamp Supply Voltage	I	-
36	0.35	BN/WH	2517	Keypad Red LED	I	-
37-40	-	-	-	Not Occupied	-	-
41	0.35	GY/L-GN	328	Interior Lamp Defeat Switch Signal	I	-
42	0.35	VT/L-GN	7558	LED Ambient Lighting Control 2	I	-
43-44	-	-	-	Not Occupied	-	-
45	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	I	-
46	2.5	BK	1050	Ground	I	-
47	0.35	L-GN	5060	Low Speed GMLAN Serial Data	I	-
48	-	-	-	Not Occupied	-	-
49	0.35	WH	3152	Lane Departure Warning Indicator Control	I	-
50	-	-	-	Not Occupied	-	-

X61A Junction Block - Instrument Panel X4



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 15501744

Service Connector: Pending

Description: 50-Way F 1.5, 2.8 OCS Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-35 (VT)	J-38125-12A	1326030-8	17	A	4

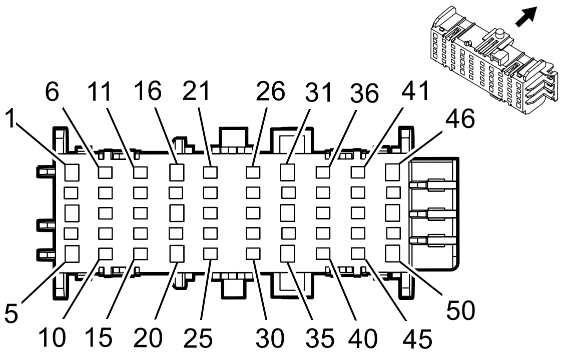
X61A Junction Block - Instrument Panel X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.35	YE/VT	2516	Keypad Green LED	I	-
3	0.35	BK/L-GN	552	Sensor Low Reference	I	-
4	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
5	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
6	0.5	YE	6817	LED Backlight Dimming Control	I	-
7	0.35	L-GN/WH	2514	Keypad Signal	I	-
8	0.35	GY/RD	598	5 Volt Reference	I	-
9	0.35	WH/L-GN	526	Stop Lamp Switch Signal	I	-
10	0.35	D-BU/YE	1693	Four Wheel Drive Switch Signal	I	-
11	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	I	-
12	0.35	YE/VT	6191	Power Sliding Window Switch Open Signal	I	-
13	0.35	WH	6192	Power Sliding Window Switch Close Signal	I	-
14	0.35	BN	1560	Neutral Indicator Control	I	-

15	0.35	GY/RD	6029	Four Wheel Drive Mode Switch 5 Volt Reference	I	-
16	2.5	BK	1050	Ground	I	-
17-18	-	-	-	Not Occupied	-	-
19	0.35	L-GN/BK	2515	Keypad Supply Voltage	I	-
20	-	-	-	Not Occupied	-	-
21	0.5	VT/L-GN	7558	LED Ambient Lighting Control 2	I	-
22	0.35	BN/WH	2517	Keypad Red LED	I	-
23	0.35	BN/BK	1566	4 HI Indicator Control	I	-
24	0.35	VT/WH	1565	4 LO Indicator Control	I	-
25	0.35	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
26	0.35	WH	3152	Lane Departure Warning Indicator Control	I	-
27	0.35	GY/L-GN	328	Interior Lamp Defeat Switch Signal	I	-
28-29	-	-	-	Not Occupied	-	-
30	0.35	GY/L-GN	1561	AWD Indicator Control	I	-
31	1.5	RD/YE	2340	Battery Positive Voltage	II	-
32	0.5	BK/WH	1851	Signal Ground	I	-
33	0.75 0.35	BK/WH BK/WH	1851 1851	Signal Ground Signal Ground	I	-
34	-	-	-	Not Occupied	-	-
35	2.5	BK/WH	1851	Signal Ground	I	-
36-37	-	-	-	Not Occupied	-	-
38	0.5	BK/WH	1851	Signal Ground	I	-
39	-	-	-	Not Occupied	-	-
40	0.35	L-GN/BK	1563	2 HI Indicator Control	I	-
41	0.35	BK/WH	1851	Signal Ground	I	-
42-44	-	-	-	Not Occupied	-	-
45	0.35	BK	2550	Ground	I	-
46	0.75	BK	2550	Ground	I	-
47	0.35	BK	2550	Ground	I	-
48	0.75	BK	2550	Ground	I	-
49	-	-	-	Not Occupied	-	-

50	0.75	BK	2550	Ground	I	-

X61A Junction Block - Instrument Panel X5



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 15501743

Service Connector: Pending

Description: 50-Way F 1.5, 2.8 OCS Series (NA)

Terminal Part Information

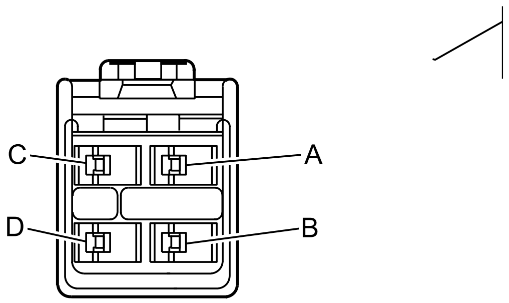
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

X61A Junction Block - Instrument Panel X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
2	0.5	D-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
3	0.5	D-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
4	0.75	WH/VT	1430	Exterior Courtesy Lamp Supply Voltage	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	GY	5697	Child Lockout Indicator	I	-
7	0.5	BN	7634	Integrated Trailer Brake Contoller Redundant Manual Apply Signal	I	-
8	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	I	-
9	0.35	VT	185	Low Washer Fluid Indicator Control	I	-
10	0.5	D-BU/L-GN	961		I	-
11	0.5	D-BU/L-GN	963		I	-
12	0.5	YE	7635	Integrated Trailer Brake Controller Manual Apply Signal	I	-
13	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	I	-
14	0.5	BK/BN	7631	Integrated Trailer Brake Controller Switch Low Reference	I	-
15	0.5	D-BU/RD	7632	Integrated Trailer Brake Controller Switch 5 Volt Reference	I	-

16	-	-	-	Not Occupied	-	-
17	0.5	D-BU/L-GN	962		I	-
18	0.5	VT/BN	300	Run Ignition 3 Voltage	I	-
19	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
20-21	-	-	-	Not Occupied	-	-
22	0.5	D-BU/VT	1134	Park Brake Switch Signal	I	-
23	0.5	D-BU/L-GN	964		I	-
24	-	-	-	Not Occupied	-	-
25	0.35	WH/GY	5285	Adjustable Pedal Switch Rearward Signal	I	-
26	0.35	L-GN/BN	5852	Rear Park Assist LED Disable Signal	I	-
27	0.5	WH/D-BU	3691	Trailer Brake Apply Signal	I	-
28	-	-	-	Not Occupied	-	-
29	0.35	L-GN/GY	5286	Adjustable Pedal Switch Forward Signal	I	-
30	0.5	L-GN/BK	7633	Integrated Trailer Brake Controller User Gain Signal	I	-
31	-	-	-	Not Occupied	-	-
32	0.5	YE/WH	816	Brake Transmission Shift Interlock Solenoid Control	I	-
33	-	-	-	Not Occupied	-	-
34	0.5	WH	6816	Indicator Dimming Control	I	-
35-36	-	-	-	Not Occupied	-	-
37	0.35	WH	6816	Indicator Dimming Control	I	-
38	0.35	WH	6816	Indicator Dimming Control	I	-
39-44	-	-	-	Not Occupied	-	-
45	0.35	GY/L-GN	2555	Rear Park Assist Disable Signal	I	-
46-50	-	-	-	Not Occupied	-	-

X61A Junction Block - Instrument Panel X6



Connector Part Information

Harness Type: Trailer Jumper

OEM Connector: 12194033

Service Connector: Service by Harness - See Part Catalog

Description: 4-Way F 280 Metri Pack Series, Flexlock (CR)

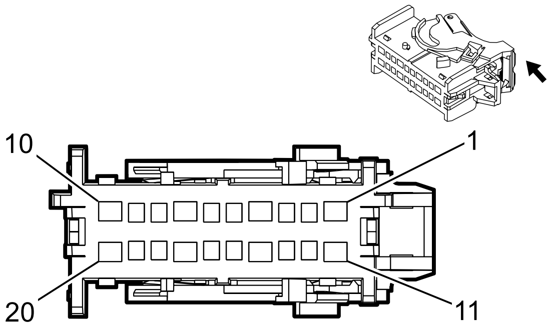
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13581349	J-35616-4A (PU)	J-38125-553	12110844	4	E	A
II	13581348	J-35616-4A (PU)	J-38125-553	12110842	4	A	B

X61A Junction Block - Instrument Panel X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BK	1050	Ground	I	-
B	0.5	WH/D-BU	3691	Trailer Brake Apply Signal	I	-
C	2.5	RD/L-GN	242	Battery Positive Voltage	II	-
D	2.5	D-BU	47	Trailer Auxiliary Supply Voltage	II	-

X61A Junction Block - Instrument Panel X8



Connector Part Information

Harness Type: Brake Clutch Jumper

OEM Connector: 13924034

Service Connector: Service by Harness - See Part Catalog

Description: 20-Way F 1.5, 2.8 Series (BK)

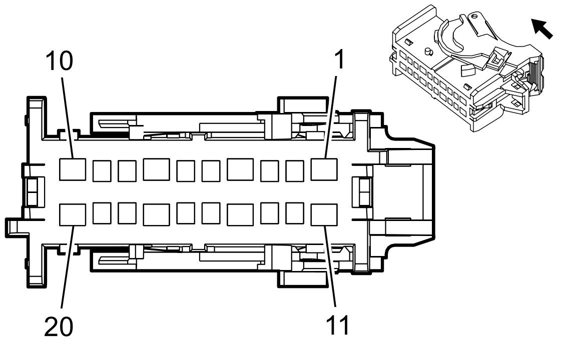
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

X61A Junction Block - Instrument Panel X8

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-7	-	-	-	Not Occupied	-	-
8	0.5	WH/L-GN	526	Stop Lamp Switch Signal	I	-
9	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
10	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
11	-	-	-	Not Occupied	-	-
12	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
13	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
14	0.5	WH/RD	6207	Memory Sensor High Reference	I	-
15	0.5	D-BU	5952	Adjustable Pedal Position Sensor Brake Signal	I	-
16	1.5	YE	5129	Adjustable Pedal Actuator Rearward Control	I	-
17	0.5	BK/GY	6206	Memory Sensor Low Reference	I	-
18	1.5	L-GN/VT	5130	Adjustable Pedal Actuator Forward Control	I	-
19	0.5	BK/L-GN	552	Sensor Low Reference	I	-
20	0.5	GY/RD	598	5 Volt Reference	I	-

X61A Junction Block - Instrument Panel X9



Connector Part Information

Harness Type: Brake Clutch Jumper

OEM Connector: 13924035

Service Connector: Service by Harness - See Part Catalog

Description: 20-Way F 1.5, 2.8 OCS Series (GY)

Terminal Part Information

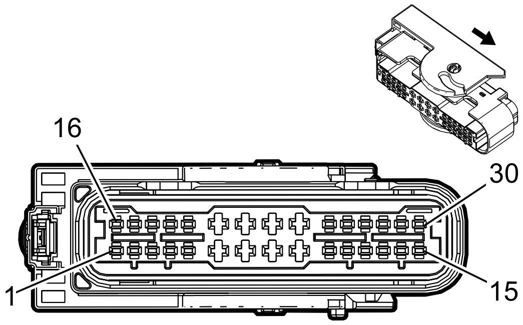
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-35 (VT)	J-38125-12A	1326030-8	17	B	F

X61A Junction Block - Instrument Panel X9

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	YE/BN	1569	Transfer Case Lock Solenoid Control	I	-
2	0.35	D-BU/YE	1693	Four Wheel Drive Switch Signal	I	-
3	0.35	GY/RD	6029	Four Wheel Drive Mode Switch 5 Volt Reference	I	-
4	0.35	BN/BK	1566	4 HI Indicator Control	I	-
5	0.35	VT/WH	1565	4 LO Indicator Control	I	-
6	0.35	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
7	0.35	VT/YE	5985	Accessory Wakeup Serial Data	I	-
8	0.35	L-GN/BK	1563	2 HI Indicator Control	I	-
9	0.35	GY/L-GN	1561	AWD Indicator Control	I	-
10	0.5	GY/BK	1570	Front Axle Actuator Control	I	-
11	3	RD/GY	1342	Battery Positive Voltage	I	-
12	0.35	BN	1560	Neutral Indicator Control	I	-
13	0.35	VT	7476	Incremental Encoder Sensor Return	I	-
14	3	BK	550	Ground	I	-

15	0.35	D-BU/GY	7473	Incremental Encoder Impulse Signal	I	-
16	0.35	YE	7474	Incremental Encoder Direction Signal	I	-
17	4	YE/VT	1553	Transfer Case Motor Counter Clockwise Control	II	-
18	0.35	WH/L-GN	7475	Incremental Encoder Sensor (8V) Supply	I	-
19	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator	I	-
20	4	YE/GY	1552	Transfer Case Motor Clockwise Control	II	-

X63A Junction Block - Rear Body X1



Connector Part Information

Harness Type: Chassis

OEM Connector: 13988318

Service Connector: Service by Harness - See Part Catalog

Description: 30-Way F 1.5, 2.8 Series, Sealed (BK)

Terminal Part Information

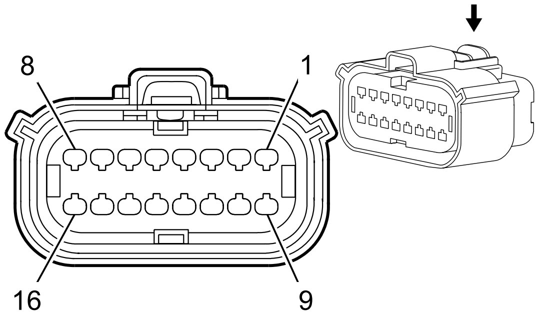
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-35 (VT)	J-38125-557	1-968857-3	7	Not Available	Not Available
III	Pending	J-35616-35 (VT)	J-38125-557	1-968857-3	7	C	1

X63A Junction Block - Rear Body X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/VT	2378	Right Rear Corner Object Sensor Signal	I	-
2	0.5	YE/WH	2377	Right Rear Middle Object Sensor Signal	I	-
3	0.5	YE/D-BU	2376	Left Rear Middle Object Sensor Signal	I	-
4	0.5	YE	2375	Left Rear Corner Object Sensor Signal	I	-
5	0.5	BN/WH	2374	Object Sensor Supply Voltage	I	-
6	1.5	BK	1750	Ground	III	-
7	1.5	BK	2150	Ground	III	-
8	-	-	-	Not Occupied	-	-
9	0.75	L-GN/WH	24	Backup Lamp Supply Voltage	II	-
10	0.75	WH/VT	1430	Exterior Courtesy Lamp Supply Voltage	I	-
11-12	-	-	-	Not Occupied	-	-
13	0.5	VT/GY	1054	Stop Lamp Supply Voltage	I	-
14-15	-	-	-	Not Occupied	-	-

16	0.5	L-GN/YE	6846	Rear License Lamp Supply Voltage	I	-
17	0.5	BK/GY	2379	Object Sensor Low Reference	I	-
18	0.75	YE/D-BU	18	Left Rear Stop/Turn Lamp Supply Voltage	I	-
19	0.75	BN/L-GN	19	Right Rear Stop/Turn Lamp Supply Voltage	I	-
20	-	-	-	Not Occupied	-	-
21	0.75	GY/BN	309	Right Park Lamp Supply Voltage	II	-
22	0.75	VT/GY	709	Left Park Lamp Supply Voltage	II	-
23	-	-	-	Not Occupied	-	-
24	1	BK	1750	Ground	II	-
25	0.5	L-GN/WH	24	Backup Lamp Supply Voltage	I	-
26	0.5	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
27	0.5	GY/YE	6972	Camera Signal #2 +	I	-
28	0.5	WH/D-BU	6973	Camera Signal #2	I	-
29	0.5	BK	2550	Ground	I	-
30	0.5	BK	6974	Camera Drain Wire	I	-

X63A Junction Block - Rear Body X3



Connector Part Information

Harness Type: License Lamp Jumper

OEM Connector: 13778557

Service Connector: 13584788

Description: 16-Way F 1.5 Series, Sealed (BK)

Harness Type: Rear Bumper

OEM Connector: 13778557

Service Connector: 13584788

Description: 16-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2

X63A Junction Block - Rear Body X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/GY	2379	Object Sensor Low Reference	I	-
2	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	-
3-4	-	-	-	Not Occupied	-	-
5	0.5	BK	1750	Ground	I	-
6	0.5	BK	1750	Ground	I	-
7	0.5	BK	1750	Ground	I	-
8	0.5	BK	1750	Ground	I	-
9	0.5	L-GN/YE	6846	Rear License Lamp Supply Voltage	I	-
10	0.5	L-GN/YE	6846	Rear License Lamp Supply Voltage	I	-
11	0.5	GY/BN	309	Right Park Lamp Supply Voltage	I	-
12	0.5	YE/VT	2378	Right Rear Corner Object Sensor Signal	I	-
13	0.5	YE/WH	2377	Right Rear Middle Object Sensor Signal	I	-
14	0.5	YE/D-BU	2376	Left Rear Middle Object Sensor Signal	I	-

14	0.5	YE/D-BU	2376	Left Rear Middle Object Sensor Signal	I	-
15	0.5	YE	2375	Left Rear Corner Object Sensor Signal	I	-
16	0.5	BN/WH	2374	Object Sensor Supply Voltage	I	-

X63A Junction Block - Rear Body X6

Connector Part Information

Harness Type:

OEM Connector: 13581768

Service Connector: Service by Harness - See Part Catalog

Description: 8 F

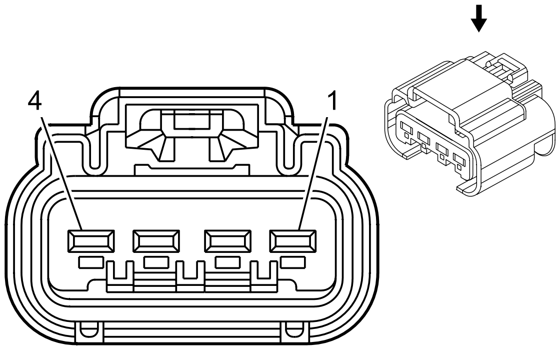
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X63A Junction Block - Rear Body X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	0.5	RD	1430	Exterior Courtesy Lamp Supply Voltage	I	-
5-6	-	-	-	Not Occupied	-	-
7	0.5	BK	1750	Ground	I	-
8	-	-	-	Not Occupied	-	-

A6D Fuel Pump and Level Sensor Assembly - Secondary



Connector Part Information

Harness Type: Chassis

OEM Connector: 13527865

Service Connector: 13587174

Description: 4-Way F 280 GT Series, Sealed (NA)

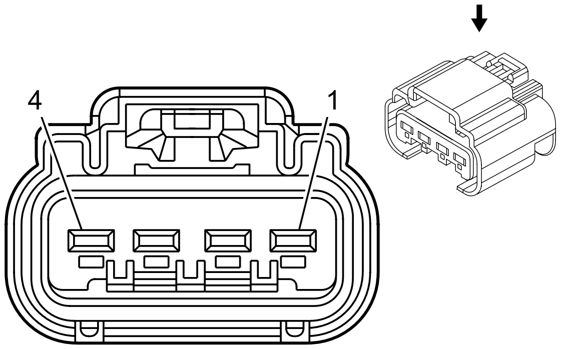
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575408	J-35616-4A (PU)	J-38125-553	15392777	23	D	5
II	13575392	J-35616-4A (PU)	J-38125-553	15304720	19	4	5
III	13575402	J-35616-4A (PU)	J-38125-553	15392777	23	B	5
IV	13576356	J-35616-4A (PU)	J-38125-553	15304719	19	E	5

A6D Fuel Pump and Level Sensor Assembly - Secondary

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5 1.5	GY GY	120 120	Fuel Pump Supply Voltage Fuel Pump Supply Voltage	I	-
2	4	BK	2150	Ground	III	-
3	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	IV	-
4	0.5 0.5	D-BU/WH D-BU/VT	1937 1589	Secondary Fuel Level Sensor Signal Primary Fuel Level Sensor Signal	IV	-

A7 Fuel Pump and Level Sensor Assembly



Connector Part Information

Harness Type: Chassis

OEM Connector: 13527865

Service Connector: 13587174

Description: 4-Way F 280 GT Series, Sealed (NA)

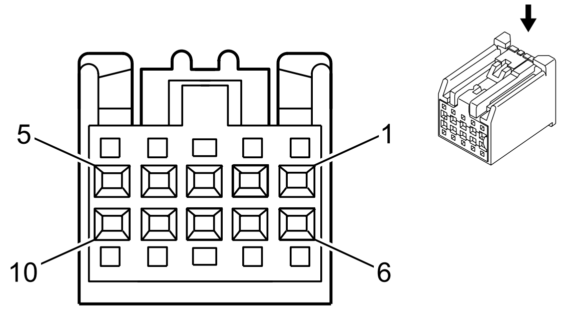
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575392	J-35616-4A (PU)	J-38125-553	15304720	19	4	5
II	13576356	J-35616-4A (PU)	J-38125-553	15304719	19	E	5

A7 Fuel Pump and Level Sensor Assembly

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GY	120	Fuel Pump Supply Voltage	I	-
2	1.5	BK	2150	Ground	I	-
3	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	II	-
4	0.5	D-BU/VT	1589	Primary Fuel Level Sensor Signal	II	-

A10 Inside Rearview Mirror



Connector Part Information

Harness Type: Headliner

OEM Connector: 13815336

Service Connector: 13577390

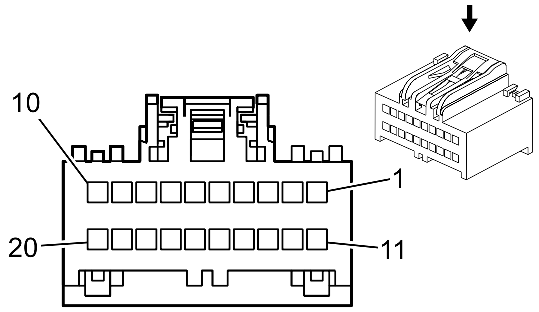
Description: 10-Way F 0.64 Kaizen Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

A10 Inside Rearview Mirror

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5 0.5	L-GN/WH L-GN/RD	24 24	Backup Lamp Supply Voltage Backup Lamp Supply Voltage	I	-
2	0.35	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
3	0.35 0.35	L-GN/WH L-GN/D-BU	2514 2514	Keypad Signal Keypad Signal	I	-
4	0.35	L-GN/BK	2515	Keypad Supply Voltage	I	-
5	0.5	BK	1050	Ground	I	-
6	0.35 0.35	YE/VT YE/BN	2516 2516	Keypad Green LED Keypad Green LED	I	-
7	0.35	BN/WH	2517	Keypad Red LED	I	-
8	0.35	BK/YE	1691	Automatic Day/Night Mirror Low Reference	I	-
9	0.35	YE/WH	1690	Automatic Day/Night Mirror Signal	I	-
10	-	-	-	Not Occupied	-	-



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 15491304

Service Connector: 15126710

Description: 20-Way F USCAR 64 Series (GY)

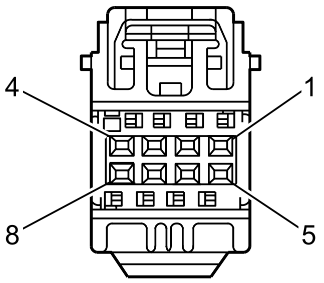
Terminal Part Information

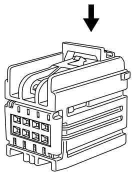
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

A11 Radio X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-5	-	-	-	Not Occupied	-	-
6	0.5	BARE	5842	Auxiliary Audio Screen (2)	I	-
7	0.35	D-BU	2060	Auxiliary Detection Signal	I	-
8	0.35	VT	5843	Auxiliary Audio Common Signal	I	-
9	0.35	GY	5839	Left Auxiliary Audio Signal (2)	I	-
10	0.35	L-GN	5841	Right Auxiliary Audio Signal (2)	I	-
11-12	-	-	-	Not Occupied	-	-
13	0.5	L-GN/D-BU	7532	Linear Interconnect Network Bus 10	I	-
14	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
15-18	-	-	-	Not Occupied	-	-
19	0.35	BK/YE	659	Cellular Telephone Voice Low Reference	I	-
20	0.35	YE	658	Cellular Telephone Voice Signal	I	-

A11 Radio X2





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13551679

Service Connector: 19115653

Description: 8-Way F YESC Kaizen Series (L-GY)

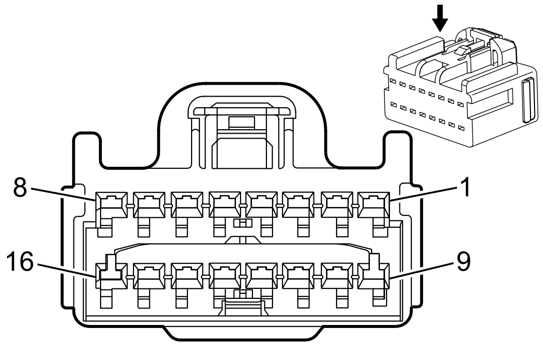
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

A11 Radio X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
2	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
3	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
4	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
5-6	-	-	-	Not Occupied	-	-
7	0.35	WH/VT	3999	MOST Control	I	-
8	-	-	-	Not Occupied	-	-

A11 Radio X3



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 10847013

Service Connector: 89047090

Description: 16-Way F Kaizen YESC Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	A/E	A/C
II	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2

A11 Radio X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	D-BU	201	Left Front Speaker (+) (1)	I	-
2	0.75	YE	200	Right Front Speaker (+) (1)	I	-
3	0.5	L-GN	199	Left Rear Speaker (+)	II	-
4	0.5	WH	46	Right Rear Speaker (+)	II	-
5-7	-	-	-	Not Occupied	-	-
8	0.75	RD/VT	340	Battery Positive Voltage	I	-
9	0.75	BN/D-BU	118	Left Front Speaker Signal (-) (1)	I	-
10	0.75	YE/BK	117	Right Front Speaker Signal (-) (1)	I	-
11	0.5	L-GN/BK	116	Left Rear Speaker Signal (-)	II	-
12	0.5	D-BU/BK	115	Right Rear Speaker Signal (-)	II	-
13-15	-	-	-	Not Occupied	-	-
16	0.75	BK	2550	Ground	I	-

Connector Part Information

Harness Type:

OEM Connector: 13581686

Service Connector: Service by Harness - See Part Catalog

Description: 1

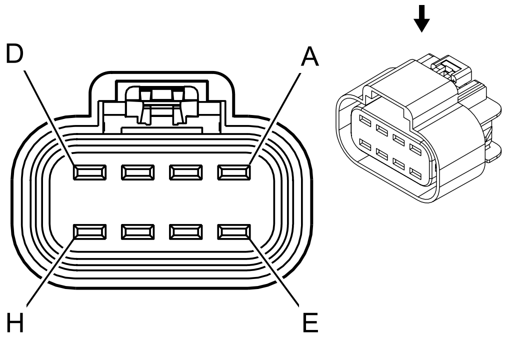
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

A11 Radio X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	-	-	-	Not Occupied	-	-
BK			COAX	AM/FM Antenna Signal	I	-

A16 Transfer Case Motor



Connector Part Information

Harness Type: Engine

OEM Connector: 13669205

Service Connector: 19300464

Description: 8-Way F 280 GT 5.8 Series, Sealed (BK)

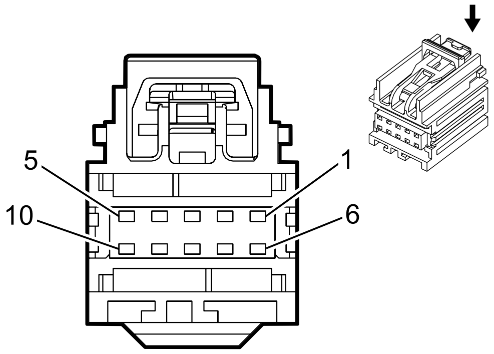
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-4A (PU)	J-38125-553	Not Available	Not Available	Not Available	Not Available

A16 Transfer Case Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	3 3	YE/GY OG	1552 1552	Transfer Case Motor Clockwise Control Transfer Case Motor Clockwise Control	I	-
B-C	-	-	-	Not Occupied	-	-
D	3	YE/VT	1553	Transfer Case Motor Counter Clockwise Control	I	-
E	0.5	D-BU/GY	7473	Incremental Encoder Impulse Signal	I	-
F	0.5	YE	7474	Incremental Encoder Direction Signal	I	-
G	0.5	WH/L-GN	7475	Incremental Encoder Sensor (8V) Supply	I	-
H	0.5	VT	7476	Incremental Encoder Sensor Return	I	-

A23D Door Latch Assembly - Driver



Connector Part Information

Harness Type: Driver Door

OEM Connector: 13576047

Service Connector: 15127041

Description: 10-Way F 0.64 YESC Kaizen Series (GN)

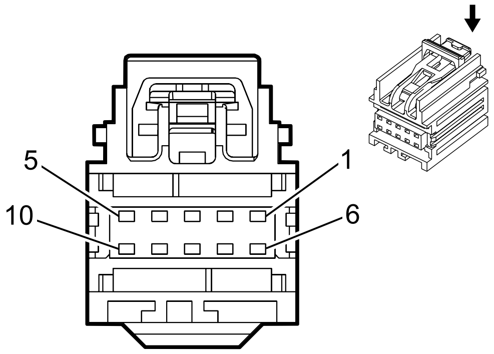
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

A23D Door Latch Assembly - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	745	Left Front Door Ajar Switch Signal	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	BK	1150	Ground	I	-
4	0.35	WH/VT	3270	Driver Door Lock Motor Status	I	-
5	0.35	D-BU/VT	1124	Door Lock Key Switch Unlock Signal	I	-
6	-	-	-	Not Occupied	-	-
7	0.75	GY	5911	Door Lock Actuator Lock Control 2	II	-
8	0.75	BN/BK	294	Door Lock Actuator Unlock Control	II	-
9-10	-	-	-	Not Occupied	-	-

A23LR Door Latch Assembly - Left Rear



Connector Part Information

Harness Type: Left Rear Door

OEM Connector: 13576047

Service Connector: 15127041

Description: 10-Way F 0.64 YESC Kaizen Series (GN)

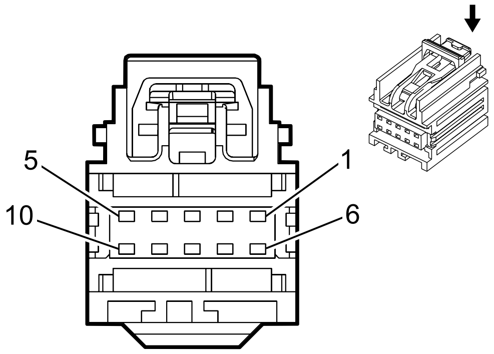
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

A23LR Door Latch Assembly - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/WH	747	Left Rear Door Ajar Switch Signal	I	-
2	0.35	BN/WH	3269	Child Security Lock Motor Status Signal Left Rear	I	-
3	0.5	BK	1150	Ground	I	-
4-6	-	-	-	Not Occupied	-	-
7	0.75	GY	295	Door Lock Actuator Lock Control	II	-
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	II	-
9	0.75	WH/D-BU	3266	Child Security Lock Motor Unlock Control	II	-
10	-	-	-	Not Occupied	-	-

A23P Door Latch Assembly - Passenger



Connector Part Information

Harness Type: Passenger Door

OEM Connector: 13576047

Service Connector: 15127041

Description: 10-Way F 0.64 YESC Kaizen Series (GN)

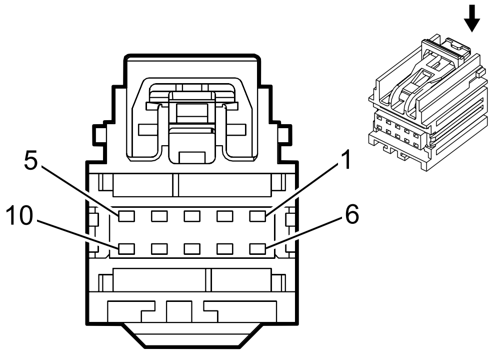
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Not Available	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

A23P Door Latch Assembly - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.5	BK	1250	Ground	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	GY	746	Right Front Door Ajar Switch Signal	I	-
6-7	-	-	-	Not Occupied	-	-
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	II	-
9	0.75	GY	295	Door Lock Actuator Lock Control	II	-
10	-	-	-	Not Occupied	-	-

A23RR Door Latch Assembly - Right Rear



Connector Part Information

Harness Type: Right Rear Door

OEM Connector: 13576047

Service Connector: 15127041

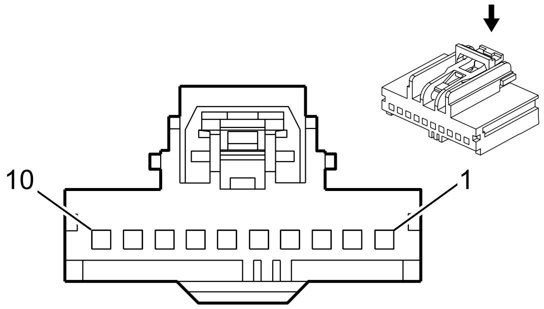
Description: 10-Way F 0.64 YESC Kaizen Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

A23RR Door Latch Assembly - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.5	BK	1250	Ground	I	-
4	0.35	GY/BK	3268	Child Security Lock Motor Status Signal Right Rear	I	-
5	0.35	GY/WH	748	Right Rear Door Ajar Switch Signal	I	-
6	-	-	-	Not Occupied	-	-
7	0.75	WH/D-BU	3266	Child Security Lock Motor Unlock Control	II	-
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	II	-
9	0.75	GY	295	Door Lock Actuator Lock Control	II	-
10	-	-	-	Not Occupied	-	-



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 15490628

Service Connector: 89047355

Description: 10-Way F 0.64 Kaizen Series (BK)

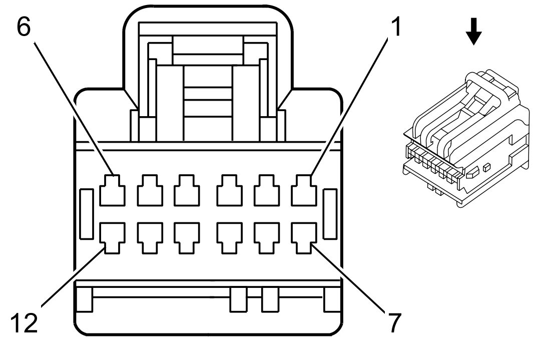
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

A33 Media Disc Player

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/VT	3999	MOST Control	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
4	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
5	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
6	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
7	-	-	-	Not Occupied	-	-
8	0.75	BK	2550	Ground	II	-
9	-	-	-	Not Occupied	-	-
10	0.75	RD/VT	340	Battery Positive Voltage	II	-

A33 Media Disc Player X1 (U42)



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13784026

Service Connector: 13578574

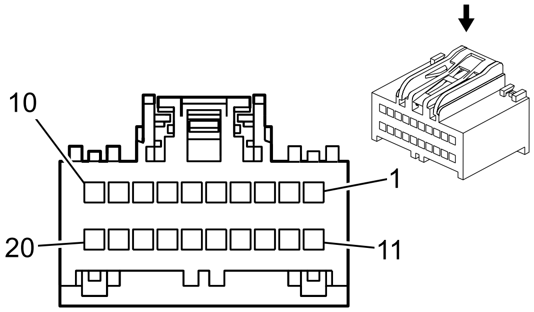
Description: 12-Way F 0.64 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (L-GN)	J-38125-559	15445905	23	K	K
II	Not Available	J-35616-16 (L-GN)	J-38125-559	15445905	23	J	J

A33 Media Disc Player X1 (U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/VT	340	Battery Positive Voltage	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	WH/L-GN	3997	MOST Serial Data (-)	II	-
4	0.5	GY/VT	3998	MOST Serial Data (+)	II	-
5	0.5	WH/L-GN	3997	MOST Serial Data (-)	II	-
6	0.5	GY/VT	3998	MOST Serial Data (+)	II	-
7	0.5	BK	2550	Ground	II	-
8	0.35	L-GN/YE	7066	Entertainment Remote Enable Signal	II	-
9	-	-	-	Not Occupied	-	-
10	0.35	WH/VT	3999	MOST Control	II	-
11	0.5	L-GN	5060	Low Speed GMLAN Serial Data	II	-
12	-	-	-	Not Occupied	-	-



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 15491304

Service Connector: 15126710

Description: 20-Way F USCAR 64 Series (GY)

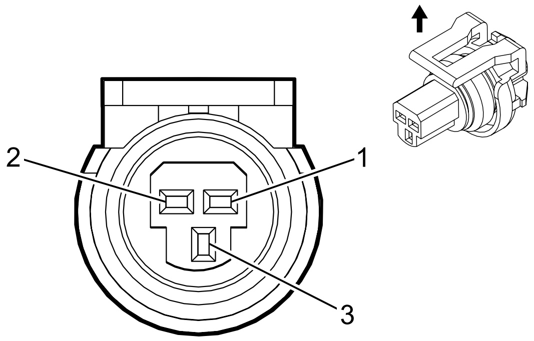
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

A33 Media Disc Player X2 (U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-GN/WH	3355	Left Rear Seat Audio Headphone Signal	I	-
2	0.35	BN/GY	3357	Right Rear Seat Audio Headphone Signal	I	-
3	0.35	D-BU/VT	3356	Rear Seat Audio Headphone Common Signal	I	-
4	0.5	Bare	3354	Rear Seat Audio Headphone Drain Wire	I	-
5-10	-	-	-	Not Occupied	-	-
11	0.35	YE	2059	Left Auxiliary Audio Signal (1)	I	-
12	0.35	WH	2058	Right Auxiliary Audio Signal (1)	I	-
13	0.35	BN	3374	Auxiliary Audio Common Signal (2)	I	-
14	0.5	Bare	5345	Auxiliary Audio Drain Wire (1)	I	-
15	0.35	YE	2056	Auxiliary Video High Signal	I	-
16	0.5	Bare	2057	Auxiliary Video Low Signal	I	-
17-20	-	-	-	Not Occupied	-	-

B1 A/C Refrigerant Pressure Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 13846842

Service Connector: 19301715

Description: 3-Way F 150 GT Series, Sealed (BK)

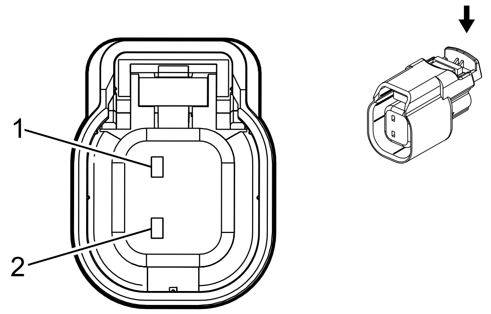
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

B1 A/C Refrigerant Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	I	-
2	0.5	BN/RD	2700	A/C Pressure Sensor 5 Volt Reference	I	-
3	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	I	-

B5LF Wheel Speed Sensor - Left Front



Connector Part Information

Harness Type: Chassis

OEM Connector: 13828712

Service Connector: 19300543

Description: 2-Way F 1.5 Series, Sealed (BK)

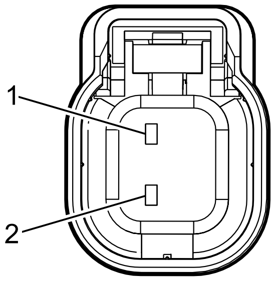
Terminal Part Information

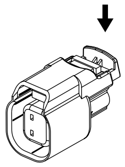
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576370	J-35616-2A (GY)	J-38125-11A	7116-4102-08	9	E	1

B5LF Wheel Speed Sensor - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	7064	Wheel Speed Sensor Supply Voltage Left Front	I	-
2	0.5	GY	830	Wheel Speed Sensor Signal Left Front	I	-

B5LR Wheel Speed Sensor - Left Rear





Connector Part Information

Harness Type: Chassis

OEM Connector: 13828712

Service Connector: 19300543

Description: 2-Way F 1.5 Series, Sealed (BK)

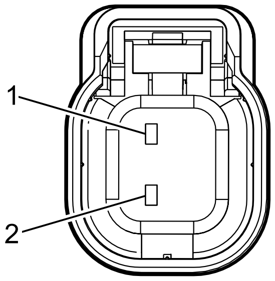
Terminal Part Information

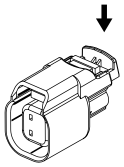
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576370	J-35616-2A (GY)	J-38125-11A	7116-4102-08	9	E	1

B5LR Wheel Speed Sensor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BK	7127	Wheel Speed Sensor Supply Voltage Left Rear	I	-
2	0.5	D-BU	884	Wheel Speed Sensor Signal Left Rear	I	-

B5RF Wheel Speed Sensor - Right Front





Connector Part Information

Harness Type: Chassis

OEM Connector: 13828712

Service Connector: 19300543

Description: 2-Way F 1.5 Series, Sealed (BK)

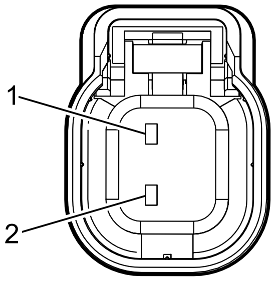
Terminal Part Information

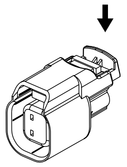
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576370	J-35616-2A (GY)	J-38125-11A	7116-4102-08	9	E	1

B5RF Wheel Speed Sensor - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BN	7065	Wheel Speed Sensor Supply Voltage Right Front	I	-
2	0.5	YE	872	Wheel Speed Sensor Signal Right Front	I	-

B5RR Wheel Speed Sensor - Right Rear





Connector Part Information

Harness Type: Chassis

OEM Connector: 13828712

Service Connector: 19300543

Description: 2-Way F 1.5 Series, Sealed (BK)

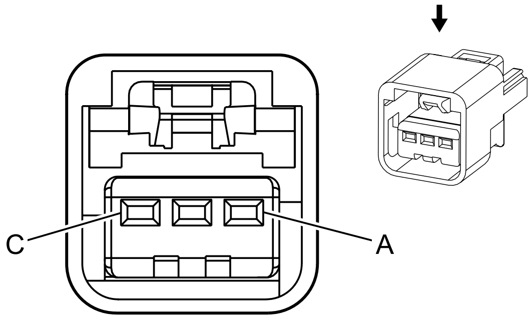
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576370	J-35616-2A (GY)	J-38125-11A	7116-4102-08	9	E	1

B5RR Wheel Speed Sensor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/YE	7128	Wheel Speed Sensor Supply Voltage Right Rear	I	-
2	0.5	VT	882	Wheel Speed Sensor Signal Right Rear	I	-

B6 Clutch Position Sensor



Connector Part Information

Harness Type: Brake Clutch Jumper

OEM Connector: 15332132

Service Connector: 88953364

Description: 3-Way F 150 GT Series (BK)

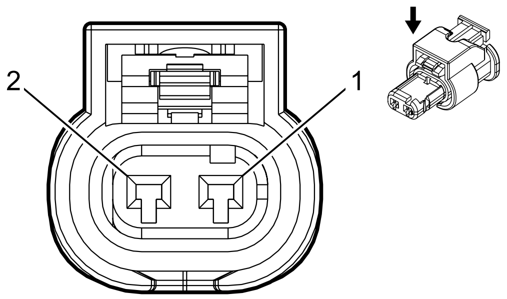
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327110	J-35616-2A (GY)	J-38125-553	12191812	19	E	C

B6 Clutch Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	GY/RD	6109	Clutch Apply Sensor Voltage Reference	I	-
B	0.5	YE	6111	Clutch Apply Sensor Signal	I	-
C	0.5	BK/GY	6110	Clutch Apply Sensor Low Reference	I	-

B9 Ambient Air Temperature Sensor



Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13627836

Service Connector: No SDC/FSU

Description: 2-Way F 1.2 MCP Series, Sealed (BK)

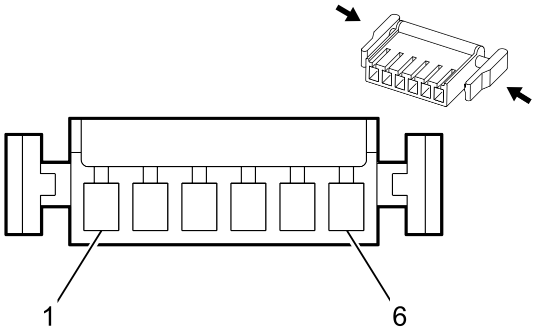
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

B9 Ambient Air Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	D-BU/GY	636	Outside Ambient Air Temperature Sensor Signal	I	-
2	0.5	BK/D-BU	61	Outside Ambient Temperature Sensor Low Reference	I	-

B10B Ambient Light/Sunload Sensor



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13726957

Service Connector: 13576539

Description: 6-Way F 0.64 Micro Quadlock Series (BK)

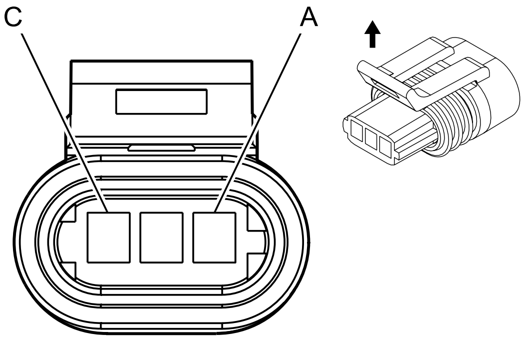
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	H	H

B10B Ambient Light/Sunload Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	728	Security Indicator Control	I	-
2	0.35	GY	590	Solar Sensor Driver Signal	I	-
3	0.35	D-BU/WH	734	Inside Air Temperature Sensor Signal	I	-
4	0.35	YE/VT	1783	Twilight Sentinel Delay Signal	I	-
5	0.35	WH/D-BU	278	Ambient Light Sensor Signal	I	-
6	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	-

B14A Transmission Output Shaft Speed Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 12162280

Service Connector: 12085538

Description: 3-Way F 150.2 Metri Pack Pull To Seat Series, Sealed (GY)

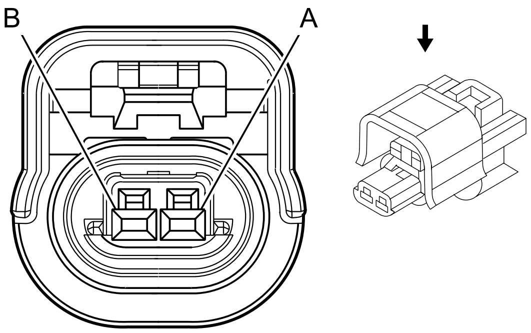
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-559	12124075	5	E	C

B14A Transmission Output Shaft Speed Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	GY/BK	3096	Output Speed (Digital) 5V Sensor Reference	I	-
B	0.5	L-GN	3098	Output Speed (Digital) Signal	I	-
C	0.5	WH/BK	3097	Output Speed (Digital) 5V Sensor Return	I	-

B14A Transmission Output Shaft Speed Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 15490464

Service Connector: 13504951

Description: 2-Way F 150 GT Series, Sealed (BK)

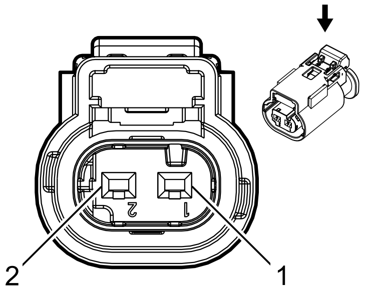
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

B14A Transmission Output Shaft Speed Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	VT/WH	821	Vehicle Speed Sensor Signal	I	-
B	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	I	-

B14A Transmission Output Shaft Speed Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 13735326

Service Connector: 13587326

Description: 2-Way F 1.2 MLK Series, Sealed (BK)

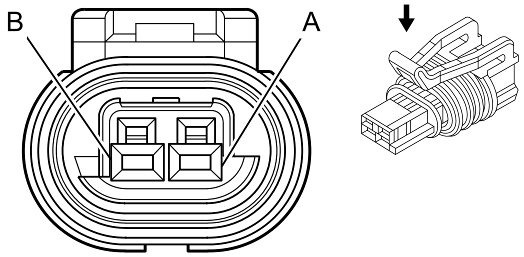
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B14A Transmission Output Shaft Speed Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/D-BU	6358	Output Speed Signal	I	-
	0.75	GY/D-BU	6358	Output Speed Signal		
2	0.5	YE/L-GN	4170	Transmission Sensor B Voltage Reference 9V	I	-
	0.75	YE/L-GN	4170	Transmission Sensor B Voltage Reference 9V		

B14A Transmission Output Shaft Speed Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 15449028

Service Connector: 88987993

Description: 2-Way F 150 GT Series, Sealed (BK)

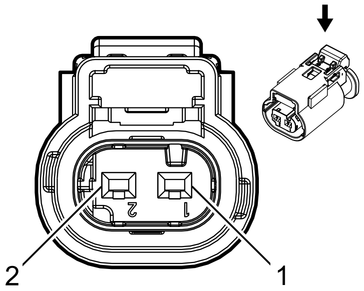
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

B14A Transmission Output Shaft Speed Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	VT/WH	821	Vehicle Speed Sensor Signal	I	-
B	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	I	-

B14C Transmission Input Shaft Speed Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 13735326

Service Connector: 13587326

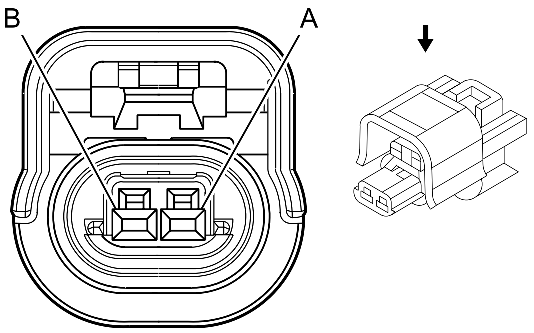
Description: 2-Way F 1.2 MLK Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B14C Transmission Input Shaft Speed Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	L-GN/YE	6353	Input Speed Signal	I	-
2	0.75	YE/D-BU	4171	Transmission Sensor A Voltage Reference 9V	I	-



Connector Part Information

Harness Type: Engine

OEM Connector: 15490464

Service Connector: 13504951

Description: 2-Way F 150 GT Series, Sealed (BK)

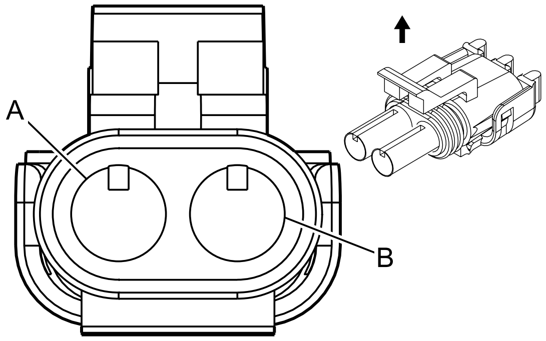
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

B14C Transmission Input Shaft Speed Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BK	1983	Transmission Turbine Speed Switch Signal	I	-
B	0.5	BK/D-BU	1984	Transmission Turbine Speed Switch Low Reference	I	-

B16 Backup Lamp Switch



Connector Part Information

Harness Type: Engine

OEM Connector: 12103584

Service Connector: 12085485

Description: 2-Way M Weather Pack Series (BK)

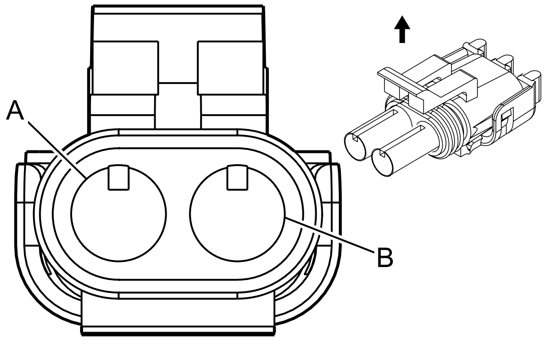
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-9 (OG)	J-38125-10A	12089040	3	E	5

B16 Backup Lamp Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	BK/WH	451	Signal Ground	I	-
B	0.5	L-GN/WH	5007	Reverse Switch Signal	I	-

B16 Backup Lamp Switch



Connector Part Information

Harness Type: Engine

OEM Connector: 12103584

Service Connector: 12085485

Description: 2-Way M Weather Pack Series (BK)

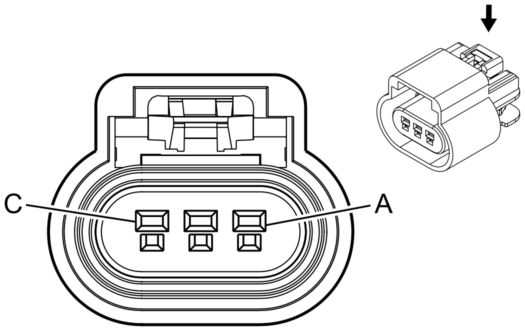
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-9 (OG)	J-38125-10A	12089040	3	E	5

B16 Backup Lamp Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	BK/WH	451	Signal Ground	I	-
B	0.5	L-GN/WH	5007	Reverse Switch Signal	I	-

B18 Battery Current Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 13519047

Service Connector: SEE NOTE

Description: 3-Way F 150 GT Series, Sealed (BK)

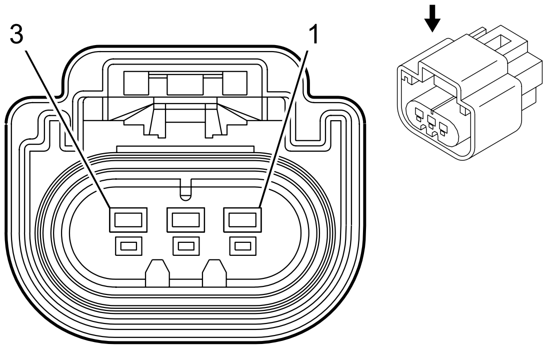
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

B18 Battery Current Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	D-BU/VT	5076	Current Sensor Supply Voltage	I	-
B	0.5	BK/PU	5077	Current Sensor Low Reference	I	-
C	0.5	WH/YE	5075	Current Sensor Signal	I	-

B19B Brake Booster Vacuum Sensor



Connector Part Information

Harness Type: Chassis

OEM Connector: 13511996

Service Connector: 13580873

Description: 3-Way F 150 GT Series, Sealed (GY)

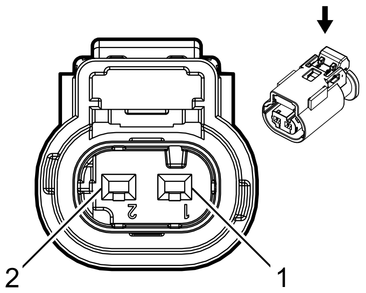
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

B19B Brake Booster Vacuum Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/VT	6030	Brake Vacuum Sensor Signal	I	-
2	0.5	BK/YE	6032	Brake Vacuum Sensor Low Reference	I	-
3	0.5	YE/RD	6031	Brake Vacuum Sensor 5 Volt Reference	I	-

B20 Brake Fluid Level Switch



Connector Part Information

Harness Type: Chassis

OEM Connector: 13735326

Service Connector: 13587326

Description: 2-Way F 1.2 MLK Series, Sealed (BK)

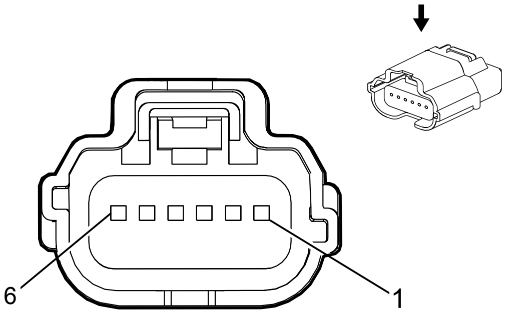
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B20 Brake Fluid Level Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	2150	Ground	I	-
2	0.5	L-GN/GY	333	Brake Fluid Level Sensor Signal	I	-

B22 Brake Pedal Position Sensor



Connector Part Information

Harness Type: Brake Clutch Jumper

OEM Connector: 13893502

Service Connector: 13577043

Description: 6-Way F 64 Series, Sealed (NA)

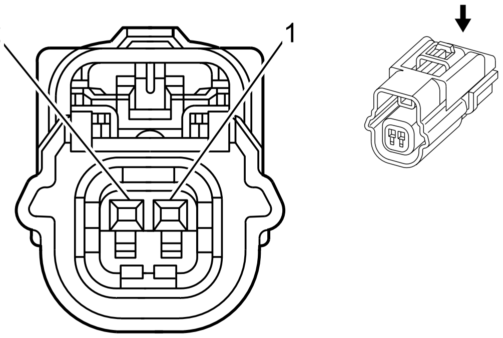
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B22 Brake Pedal Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/L-GN	552	Sensor Low Reference	I	-
2	0.5	GY/RD	598	5 Volt Reference	I	-
3	0.5	WH/L-GN	526	Stop Lamp Switch Signal	I	-
4	0.5	D-BU/YE	5361	Brake Apply Sensor Signal	I	-
5	0.5	BK/BN	5360	Brake Apply Sensor Low Reference	I	-
6	0.5	WH	5359	Brake Apply Sensor Supply Voltage	I	-

B23 Camshaft Position Sensor (L96)



Connector Part Information

Harness Type: Camshaft Position Sensor Jumper

OEM Connector: 13528494

Service Connector: 13585856

Description: 2-Way F Kaizen 64 Series, Sealed (BK)

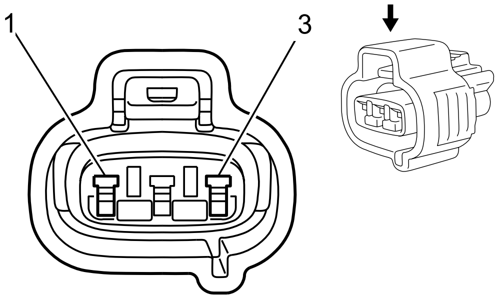
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587474	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	P	P

B23 Camshaft Position Sensor (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	PU	2199	Camshaft Phaser Solenoid Low Reference	I	-
2	0.35		5284	Camshaft Phaser Intake Solenoid (1)	I	-

B23 Camshaft Position Sensor (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 6248-5317

Service Connector: 13576413

Description: 3-Way F Sealed (GY)

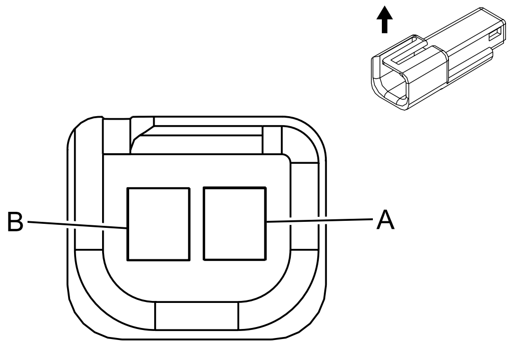
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B23 Camshaft Position Sensor (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	BU/WH	6265	Camshaft CAM W Signal	I	LML
2	0	BR	6266	Camshaft CAM W Ground	I	LML
3	0	BU	6259	Camshaft CAM W Supply Voltage	I	LML

B24 Cellular Phone Microphone



Connector Part Information

Harness Type: Headliner

OEM Connector: 12047663

Service Connector: 13584278

Description: 2-Way M 150 Metri Pack Series (BK)

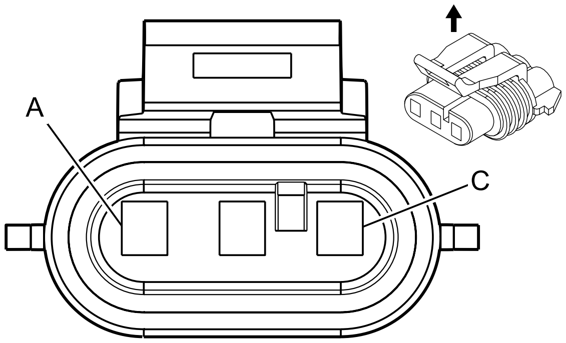
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-3 (GY)	J-38125-12A	12047581	2	E	C

B24 Cellular Phone Microphone

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	BK/BN	654	Cellular Telephone Microphone Low Reference	I	-
B	0.35	D-BU	655	Cellular Telephone Microphone Signal	I	-

B26 Crankshaft Position Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 13838337

Service Connector: Not Available

Description: 3-Way F 150 Metri Pack Series, Sealed (GY)

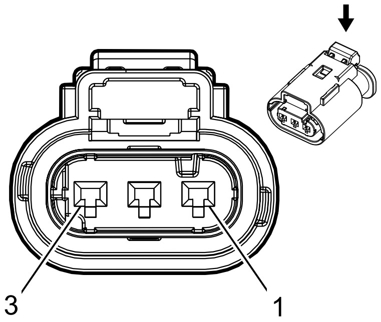
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13588112	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1

B26 Crankshaft Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	I	-
B	0.5	BK/PU	6272	Crankshaft 60X Sensor Low Reference	I	-
C	0.5	VT/D-BU	6270	Crankshaft 60X Sensor Voltage	I	-

B26 Crankshaft Position Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 13763990

Service Connector: 19299690

Description: 3-Way F 1.2 MLK Series, Sealed (BK)

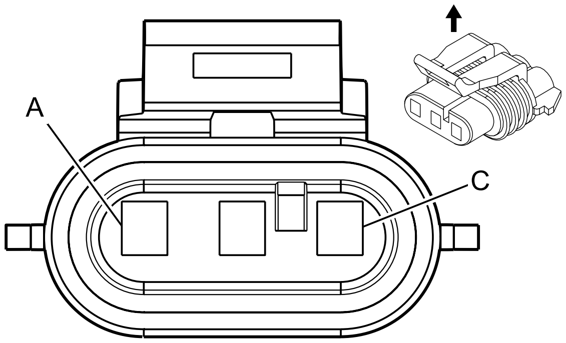
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B26 Crankshaft Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	I	-
2	0.5	BK/PU	6272	Crankshaft 60X Sensor Low Reference	I	-
3	0.5	VT/D-BU	6270	Crankshaft 60X Sensor Voltage	I	-

B26 Crankshaft Position Sensor (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 13838337

Service Connector: Pending

Description: 3-Way F 150 Metri Pack Series, Sealed (GY)

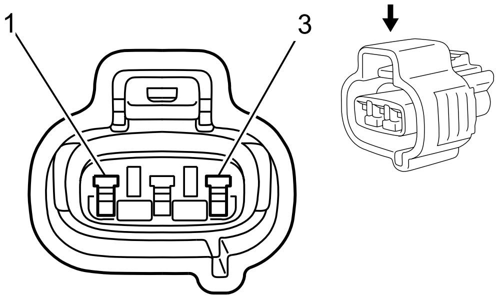
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13588112	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1

B26 Crankshaft Position Sensor (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	I	-
B	0.5	BK/PU	6272	Crankshaft 60X Sensor Low Reference	I	-
C	0.5	VT/D-BU	6270	Crankshaft 60X Sensor Voltage	I	-

B26 Crankshaft Position Sensor (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 6248-5317

Service Connector: 13576413

Description: 3-Way F Sealed (GY)

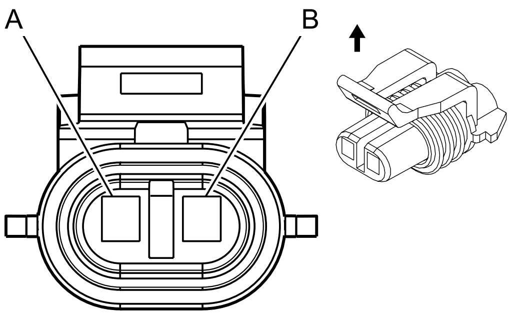
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B26 Crankshaft Position Sensor (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	WH/BK	6271	Crankshaft 60X Sensor Signal	I	LML
2	0	GY/BK	6272	Crankshaft 60X Sensor Low Reference	I	LML
3	0	VT/WH	6270	Crankshaft 60X Sensor Voltage	I	LML

B33 Engine Coolant Level Switch



Connector Part Information

Harness Type: Engine

OEM Connector: 12052641

Service Connector: 13586114

Description: 2-Way F 150 Metri Pack Series (BK)

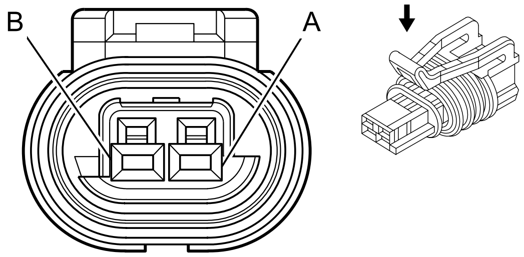
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1

B33 Engine Coolant Level Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	D-BU/YE	68	Low Coolant Level Indicator Control	I	-
B	0.75	BK/WH	451	Signal Ground	I	-

B34A Engine Coolant Temperature Sensor 1 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 15449028

Service Connector: 88987993

Description: 2-Way F 150 GT Series, Sealed (BK)

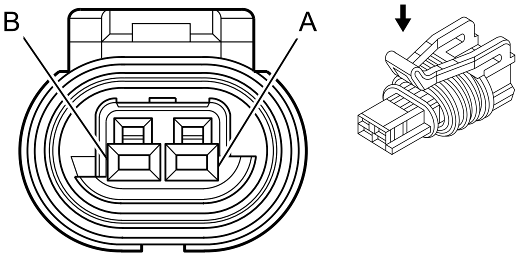
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	15326267	19	Not Available	Not Available

B34A Engine Coolant Temperature Sensor 1 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0	YE	410	Engine Coolant Temperature Sensor Signal	I	LML
B	0		2761	Coolant Temperature Sensor Low Reference	I	LML

B34 Engine Coolant Temperature Sensor (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 15449028

Service Connector: 88987993

Description: 2-Way F 150 GT Series, Sealed (BK)

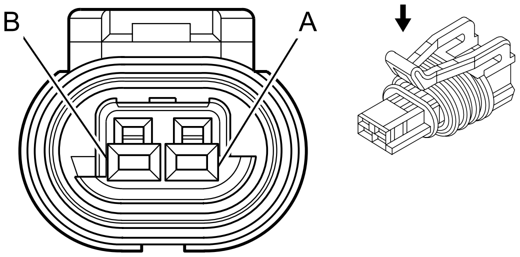
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

B34 Engine Coolant Temperature Sensor (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	-
B	0.5	D-BU	410	Engine Coolant Temperature Sensor Signal	I	-

B34 Engine Coolant Temperature Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 15449028

Service Connector: 88987993

Description: 2-Way F 150 GT Series, Sealed (BK)

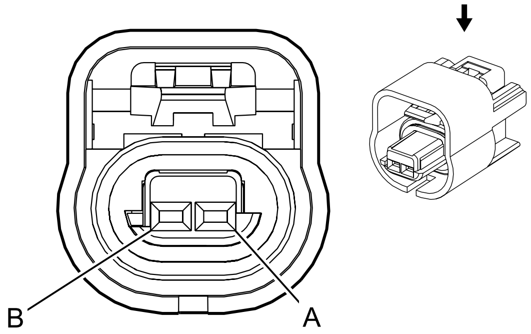
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

B34 Engine Coolant Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	-
B	0.5	D-BU	410	Engine Coolant Temperature Sensor Signal	I	-

B34 Engine Coolant Temperature Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 15355317

Service Connector: 19178093

Description: 2-Way F 150 GT Series, Sealed (BK)

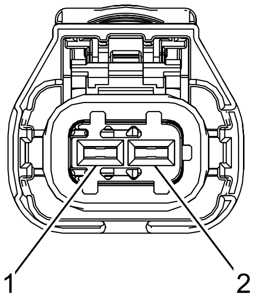
Terminal Part Information

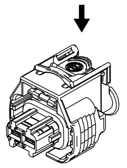
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

B34 Engine Coolant Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	-
B	0.5	D-BU	410	Engine Coolant Temperature Sensor Signal	I	-

B35 Engine Oil Level Switch





Connector Part Information

Harness Type: Engine

OEM Connector: 13930085

Service Connector: Not Available

Description: 2-Way F 2.8 Series, Sealed (BK)

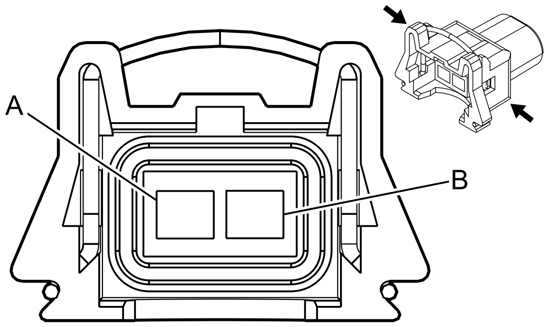
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576381	J-35616-35 (VT)	J-38125-561	1928498056	8	E	1

B35 Engine Oil Level Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/WH	451	Signal Ground	I	-
2	0.5	BN/L-GN	1174	Oil Level Switch Signal	I	-

B35 Engine Oil Level Switch (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 12129140

Service Connector: 12085491

Description: 2-Way F 280 Metri Pack.1 , Pull To Seat (BK)

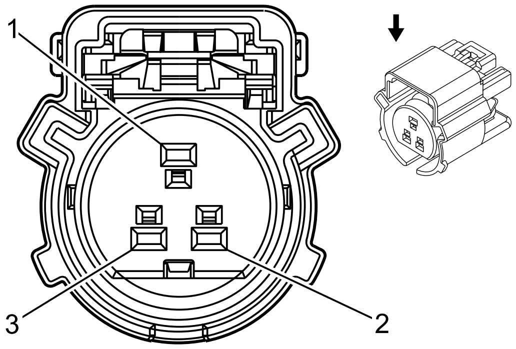
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-4A (PU)	J-38125-559	12077939	18	Not Available	Not Available

B35 Engine Oil Level Switch (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0	BR	1174	Oil Level Switch Signal	I	LML
B	0	BK/WH	451	Signal Ground	I	LML

B37B Engine Oil Pressure Sensor (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 13589761

Service Connector: 13501882

Description: 3-Way F 150 GT Series, Sealed (BK)

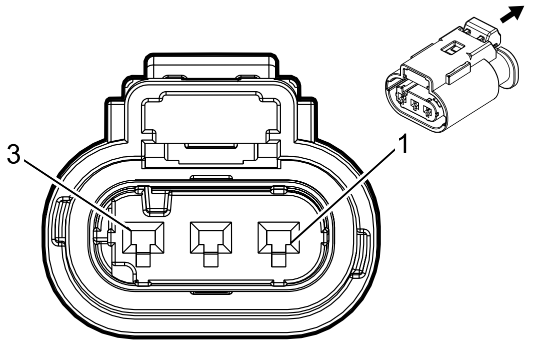
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

B37B Engine Oil Pressure Sensor (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	-
2	0.5	WH/RD	2705	Oil Pressure Sensor 5 Volt Reference	I	-
3	0.5	BK/PU	2755	Oil Pressure Sensor Low Reference	I	-

B37B Engine Oil Pressure Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 13889776

Service Connector: 19301717

Description: 3-Way F 1.2 MLK Series, Sealed (BK)

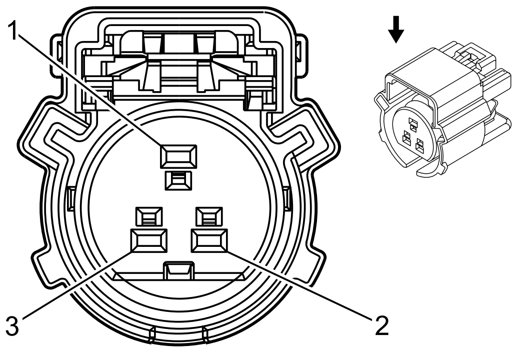
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B37B Engine Oil Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	-
2	0.5	BK/PU	2755	Oil Pressure Sensor Low Reference	I	-
3	0.5	WH/RD	2705	Oil Pressure Sensor 5 Volt Reference	I	-

B37B Engine Oil Pressure Sensor (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 13589761

Service Connector: 13501882

Description: 3-Way F 150 GT Series, Sealed (BK)

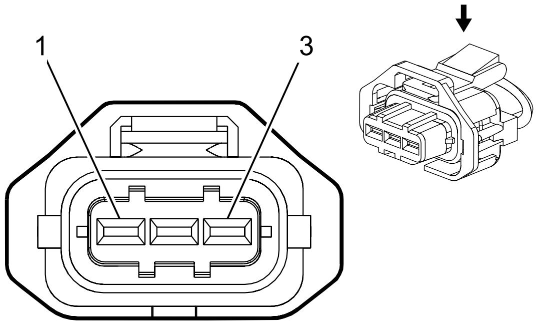
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	12191819	8	Not Available	Not Available

B37B Engine Oil Pressure Sensor (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	WH	331	Oil Pressure Sensor Signal	I	LML
2	0	GY	2705	Oil Pressure Sensor 5 Volt Reference	I	LML
3	0	BK	2755	Oil Pressure Sensor Low Reference	I	LML

B47B Fuel Rail Pressure Sensor (LML)



Connector Part Information

Harness Type: Fuel Pressure Sensor Jumper

OEM Connector: 1928403968

Service Connector: 13584311

Description: 3-Way F 2.8 Series, Sealed (BK)

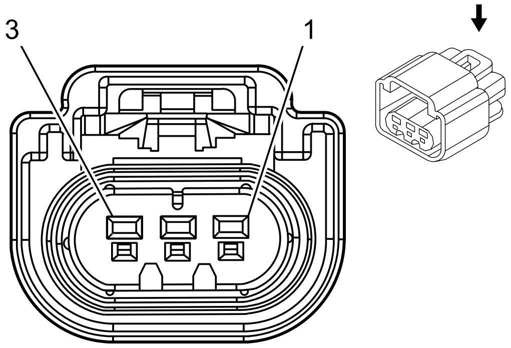
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B47B Fuel Rail Pressure Sensor (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/BK	2919	Fuel Rail Pressure Sensor Low Reference	I	LML
2	0.5	YE	2918	Fuel Rail Pressure Sensor Signal	I	LML
3	0.5		2917	Fuel Rail Pressure Sensor (5) Volt Reference	I	LML

B47 Fuel Pressure Sensor



Connector Part Information

Harness Type: Chassis

OEM Connector: 13511131

Service Connector: 19168035

Description: 3-Way F 150 GT Series, Sealed (BK)

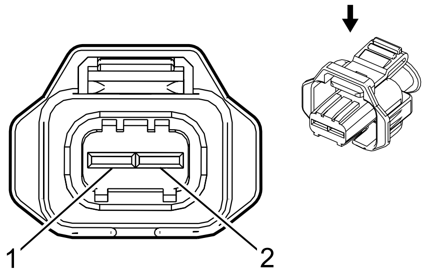
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

B47 Fuel Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	D-BU/WH	7446	Fuel Line Pressure Sensor Signal	I	-
2	0.5	BK/YE	7447	Fuel Line Pressure Sensor Low Reference	I	-
3	0.5	BN/RD	7445	Fuel Line Pressure Sensor 5V Reference	I	-

B48A Fuel Temperature Sensor 1 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 1928404114

Service Connector: SEE NOTE

Description: 2-Way F 2.8 Series, Sealed (BK)

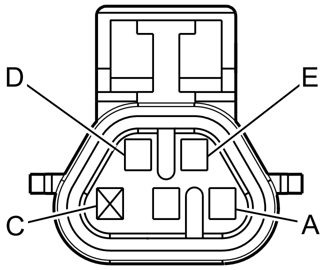
Terminal Part Information

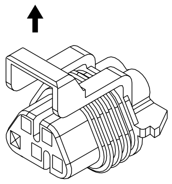
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B48A Fuel Temperature Sensor 1 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	BR/GY	7072	Sensor Fuel Temperature 1 Signal	I	LML
2	0	BR/WH	7073	Sensor Fuel Temperature 1 Return	I	LML

B52C Heated Oxygen Sensor - Bank 1 Sensor 1





Connector Part Information

Harness Type: Engine

OEM Connector: 12146047

Service Connector: 12146047

Description: 5-Way F 150 Metri Pack Series, Sealed (BK)

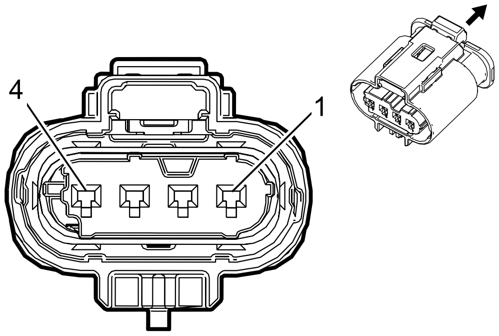
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-12A	12160223	3	E	1
II	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1

B52C Heated Oxygen Sensor - Bank 1 Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor (1)	I	-
B	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor (1)	I	-
C	-	-	-	Not Occupied	-	-
D	0.75	VT/D-BU	5293	Powertrain Main Relay Fused Supply (4)	II	-
E	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1)	I	-

B52C Heated Oxygen Sensor - Bank 1 Sensor 1



Connector Part Information

Harness Type: Engine

OEM Connector: 13869004

Service Connector: 19301716

Description: 4-Way F 1.2 MLK Series, Sealed (D-GY)

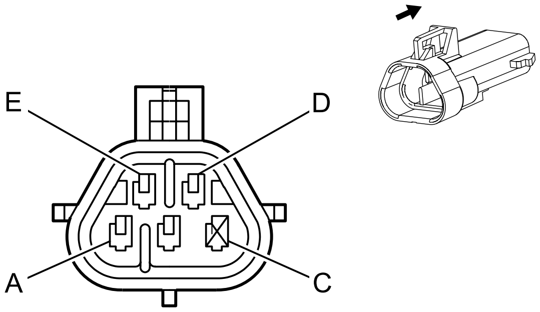
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B52C Heated Oxygen Sensor - Bank 1 Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1)	I	-
2	0.5	VT/D-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
3	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor (1)	I	-
4	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor (1)	I	-

B52C Heated Oxygen Sensor - Bank 1 Sensor 1



Connector Part Information

Harness Type: Engine

OEM Connector: 12092839

Service Connector: 13585848

Description: 5-Way M 150 Metri Pack Series, Sealed (BK)

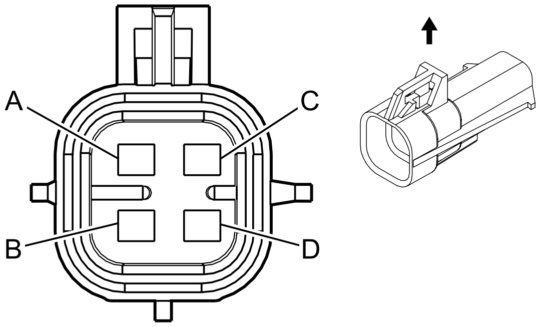
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1

B52C Heated Oxygen Sensor - Bank 1 Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor (1)	I	-
B	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor (1)	I	-
C	-	-	-	Not Occupied	-	-
D	0.75	VT/D-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
E	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1)	I	-

B52D Heated Oxygen Sensor - Bank 1 Sensor 2



Connector Part Information

Harness Type: Engine

OEM Connector: 15326423

Service Connector: SEE NOTE

Description: 4-Way M 150 Metri Pack Series, Sealed (GY)

Harness Type: Chassis

OEM Connector: 15326423

Service Connector: SEE NOTE

Description: 4-Way M 150 Metri Pack Series, Sealed (GY)

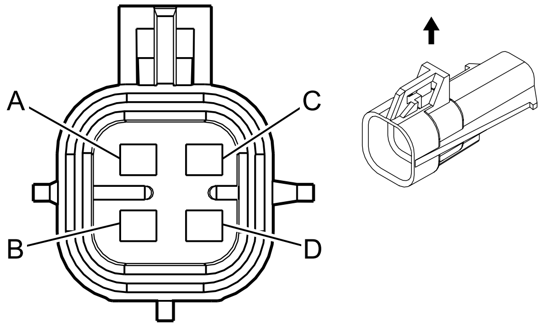
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1

B52D Heated Oxygen Sensor - Bank 1 Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor (2)	I	-
B	0.5	VT/D-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor (2)	I	-
C	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)	I	-
D	0.5	VT/D-BU	5294	Powertrain Main Relay Fused Supply (5)	I	-

B52D Heated Oxygen Sensor - Bank 1 Sensor 2



Connector Part Information

Harness Type: Chassis

OEM Connector: 15326423

Service Connector: SEE NOTE

Description: 4-Way M 150 Metri Pack Series, Sealed (GY)

Harness Type: Engine

OEM Connector: 15326423

Service Connector: SEE NOTE

Description: 4-Way M 150 Metri Pack Series, Sealed (GY)

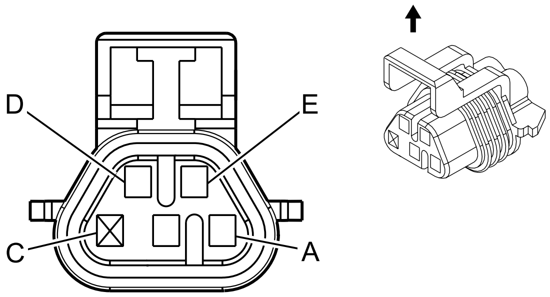
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1
II	13575420	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1

B52D Heated Oxygen Sensor - Bank 1 Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor (2)	I	-
B	0.5 0.5	VT VT/D-BU	3120 3120	Heated Oxygen Sensor High Signal Bank 1 Sensor (2) Heated Oxygen Sensor High Signal Bank 1 Sensor (2)	I	-
C	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)	I	-
D	0.5	VT/D-BU	5294	Powertrain Main Relay Fused Supply (5)	I	-

B52E Heated Oxygen Sensor - Bank 2 Sensor 1



Connector Part Information

Harness Type: Engine

OEM Connector: 12146047

Service Connector: 12146047

Description: 5-Way F 150 Metri Pack Series, Sealed (BK)

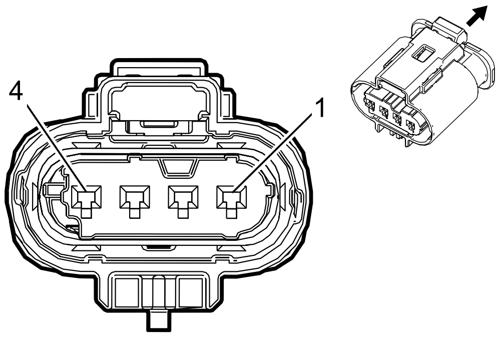
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-12A	12160223	3	E	1
II	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1

B52E Heated Oxygen Sensor - Bank 2 Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor (1)	I	-
B	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor (1)	I	-
C	-	-	-	Not Occupied	-	-
D	0.75	VT/D-BU	5293	Powertrain Main Relay Fused Supply (4)	II	-
E	0.5	L-GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (1)	I	-

B52E Heated Oxygen Sensor - Bank 2 Sensor 1



Connector Part Information

Harness Type: Engine

OEM Connector: 13869004

Service Connector: 19301716

Description: 4-Way F 1.2 MLK Series, Sealed (D-GY)

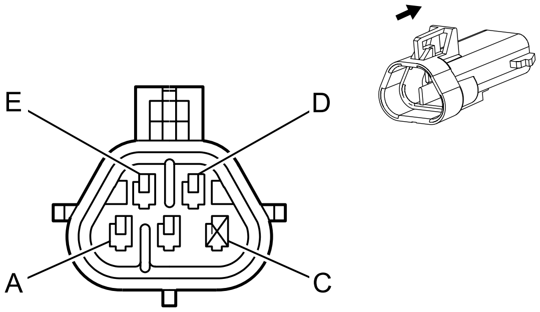
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B52E Heated Oxygen Sensor - Bank 2 Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (1)	I	-
2	0.5	VT/D-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
3	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor (1)	I	-
4	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor (1)	I	-

B52E Heated Oxygen Sensor - Bank 2 Sensor 1



Connector Part Information

Harness Type: Engine

OEM Connector: 12092839

Service Connector: 13585848

Description: 5-Way M 150 Metri Pack Series, Sealed (BK)

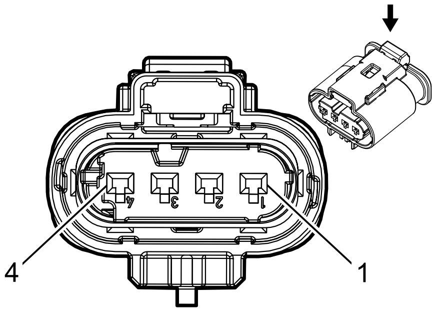
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1

B52E Heated Oxygen Sensor - Bank 2 Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor (1)	I	-
B	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor (1)	I	-
C	-	-	-	Not Occupied	-	-
D	0.75	VT/D-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
E	0.5	L-GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (1)	I	-

B52F Heated Oxygen Sensor - Bank 2 Sensor 2



Connector Part Information

Harness Type: Engine

OEM Connector: 13815348

Service Connector: 13587298

Description: 4-Way F 1.2 MLK Series, Sealed (L-GY)

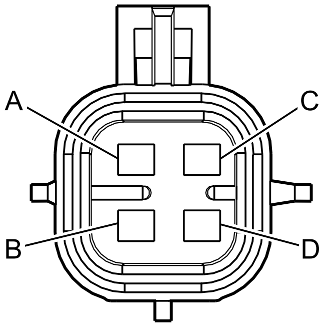
Terminal Part Information

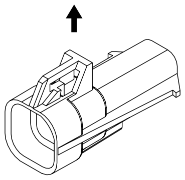
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B52F Heated Oxygen Sensor - Bank 2 Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (2)	I	-
2	0.5	VT/D-BU	5294	Powertrain Main Relay Fused Supply (5)	I	-
3	0.5	YE/D-BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor (2)	I	-
4	0.5	VT/L-GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor (2)	I	-

B52F Heated Oxygen Sensor - Bank 2 Sensor 2





Connector Part Information

Harness Type: Engine

OEM Connector: 15326423

Service Connector: SEE NOTE

Description: 4-Way M 150 Metri Pack Series, Sealed (GY)

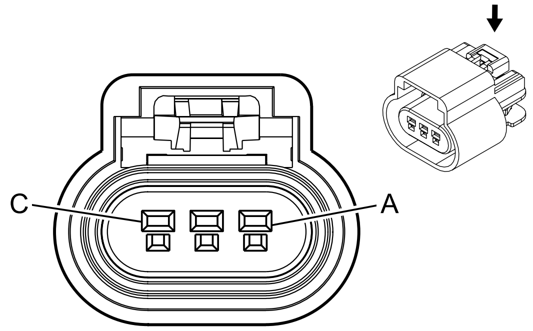
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1

B52F Heated Oxygen Sensor - Bank 2 Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/D-BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor (2)	I	-
B	0.5	VT/L-GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor (2)	I	-
C	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (2)	I	-
D	0.5	VT/D-BU	5294	Powertrain Main Relay Fused Supply (5)	I	-

B55 Hood Ajar Switch



Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13519047

Service Connector: SEE NOTE

Description: 3-Way F 150 GT Series, Sealed (BK)

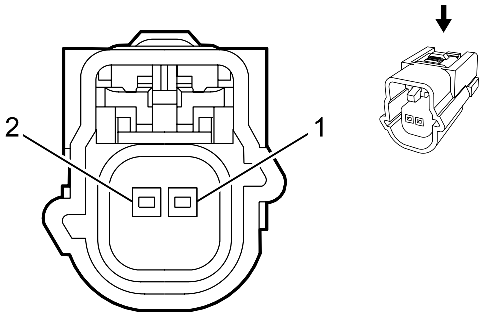
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1
II	13575412	J-35616-2A (GY)	J-38125-553	12191819	8	2	1

B55 Hood Ajar Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	-	-	-	Not Occupied	-	-
B	0.5	BN/L-GN	109	Hood Ajar Switch Signal	I	-
C	1	BK	250	Ground	II	-

B59L Front Impact Sensor - Left (1500)



Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13593078

Service Connector: 13577629

Description: 2-Way F 0.64 Series, Sealed (L-GY)

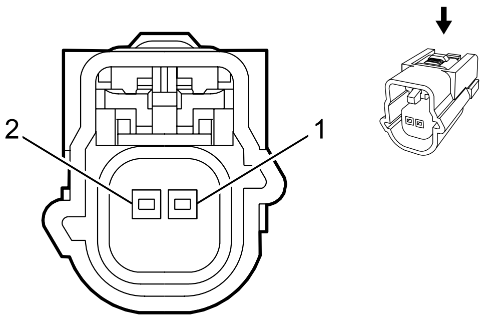
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

B59L Front Impact Sensor - Left (1500)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/YE	354	Left Front Discriminating Sensor Signal	I	-
2	0.5	BK/OG	5045	Left Front Discriminating Sensor Low Reference	I	-

B59R Front Impact Sensor - Right (1500)



Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13593078

Service Connector: 13577629

Description: 2-Way F 0.64 Series, Sealed (L-GY)

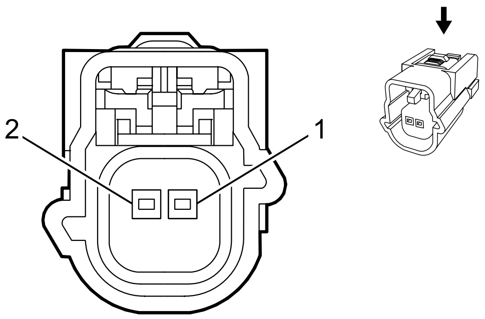
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

B59R Front Impact Sensor - Right (1500)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/L-GN	1409	Right Front Discriminating Sensor Signal	I	-
2	0.5	BK/OG	5600	Right Front Discriminating Sensor Low Reference	I	-

B59 Front Impact Sensor



Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13593078

Service Connector: 13577629

Description: 2-Way F 0.64 Series, Sealed (L-GY)

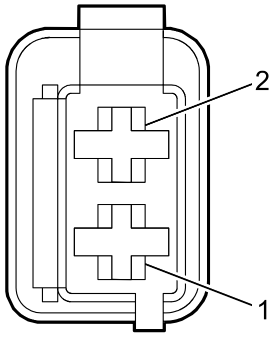
Terminal Part Information

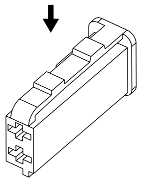
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

B59 Front Impact Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/GY	6618	Middle Front Discriminating Sensor Signal	I	-
2	0.5	BK/OG	6619	Middle Front Discriminating Sensor Low Reference	I	-

B60 Passenger Presence Detection Sensor





Connector Part Information

Harness Type: Body

OEM Connector: 13670097

Service Connector: 13580951

Description: 2-Way F 1.6 Timer Series (BK)

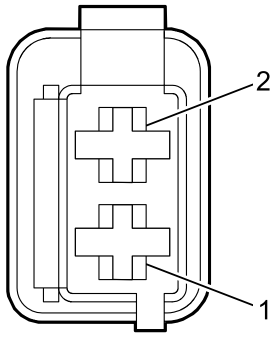
Terminal Part Information

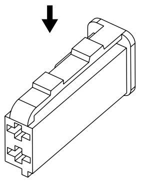
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-560	962943-5	16	Not Available	Not Available

B60 Passenger Presence Detection Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	D-BU/RD	5612	Passenger Seat Belt Tension Sensor Voltage Reference	I	-
2	0.35	VT/OG	5611	Passenger Seat Belt Tension Sensor Signal	I	-

B60 Passenger Presence Sensor





Connector Part Information

Harness Type: Body

OEM Connector: 13670097

Service Connector: 13580951

Description: 2-Way F 1.6 Timer Series (BK)

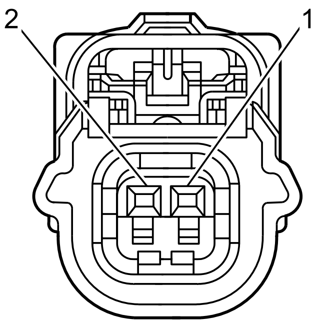
Terminal Part Information

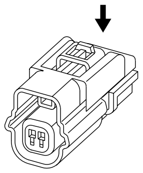
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	Not Available	Not Available

B60 Passenger Presence Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	D-BU/RD	5612	Passenger Seat Belt Tension Sensor Voltage Reference	I	-
2	0.35	VT/OG	5611	Passenger Seat Belt Tension Sensor Signal	I	-

B62D Seat Position Sensor - Driver





Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 54390239

Service Connector: 13585856

Description: 2-Way F Kaizen 64 Series, Sealed (BK)

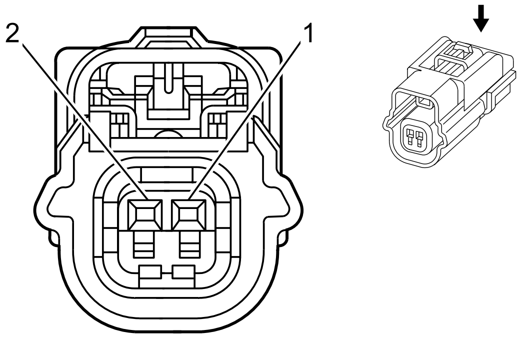
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B62D Seat Position Sensor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/OG	1363	Driver Seat Belt Switch Low Reference	I	-
2	0.35	OG/L-GN	5055	Driver Seat Position Switch Signal	I	-

B62P Seat Position Sensor - Passenger



Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 54390239

Service Connector: 13585856

Description: 2-Way F Kaizen 64 Series, Sealed (BK)

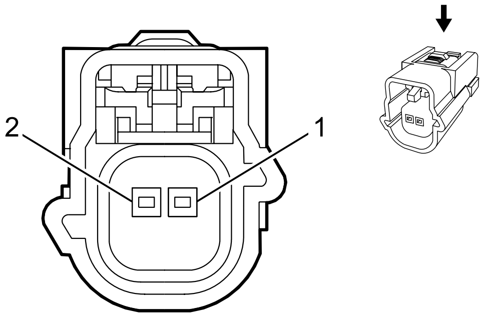
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B62P Seat Position Sensor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/OG	1361	Passenger Seat Belt Switch Low Reference	I	-
2	0.35	OG/L-BU	5056	Passenger Seat Position Switch Signal	I	-

B63LF Side Impact Sensor - Left Front



Connector Part Information

Harness Type: Driver Door

OEM Connector: 13593078

Service Connector: 13577629

Description: 2-Way F 0.64 Series, Sealed (L-GY)

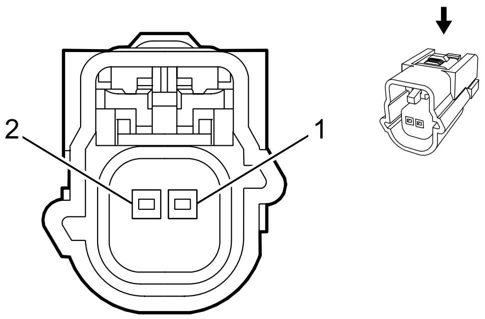
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

B63LF Side Impact Sensor - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/L-GN	2132	Left Front Side Impact Sensing Module Signal	I	-
2	0.5	BK/OG	6628	Left Front Side Impact Sensing Module Low Reference	I	-

B63LR Side Impact Sensor - Left Rear



Connector Part Information

Harness Type: Left Rear Door

OEM Connector: 13610095

Service Connector: 13585852

Description: 2-Way F 0.64 Series, Sealed (D-GY)

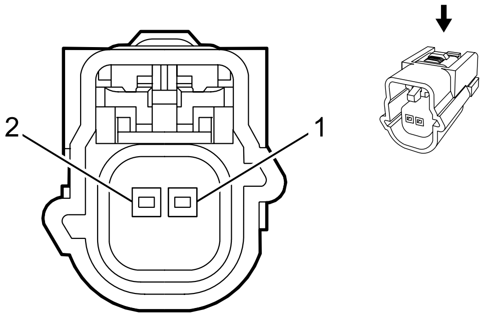
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

B63LR Side Impact Sensor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/D-BU	6620	Left Middle Side Impact Sensing Module Signal	I	-
2	0.5	BK/OG	6621	Left Middle Side Impact Sensing Module Low Reference	I	-

B63RF Side Impact Sensor - Right Front



Connector Part Information

Harness Type: Passenger Door

OEM Connector: 13593078

Service Connector: 13577629

Description: 2-Way F 0.64 Series, Sealed (L-GY)

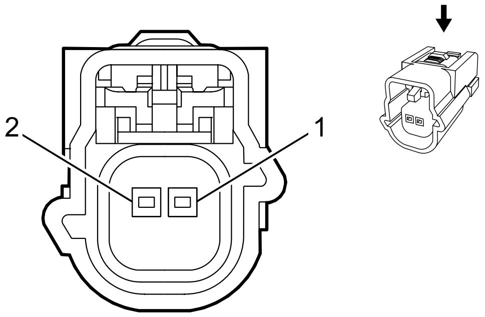
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

B63RF Side Impact Sensor - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/OG	2134	Right Front Side Impact Sensing Module Signal	I	-
2	0.5	BK/OG	6629	Right Front Side Impact Sensing Module Low Reference	I	-

B63RR Side Impact Sensor - Right Rear



Connector Part Information

Harness Type: Right Rear Door

OEM Connector: 13610095

Service Connector: 13585852

Description: 2-Way F 0.64 Series, Sealed (D-GY)

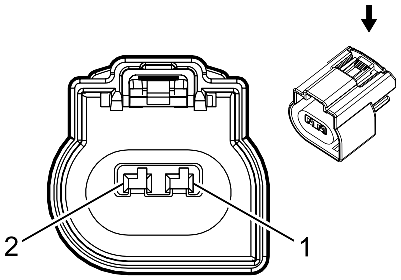
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

B63RR Side Impact Sensor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/VT	6624	Right Middle Side Impact Sensing Module Signal	I	-
2	0.5	BK/OG	6625	Right Middle Side Impact Sensing Module Low Reference	I	-

B68A Knock Sensor 1



Connector Part Information

Harness Type: Engine

OEM Connector: 13814755

Service Connector: 19301207

Description: 2-Way F 150 MX Series, Sealed (BK)

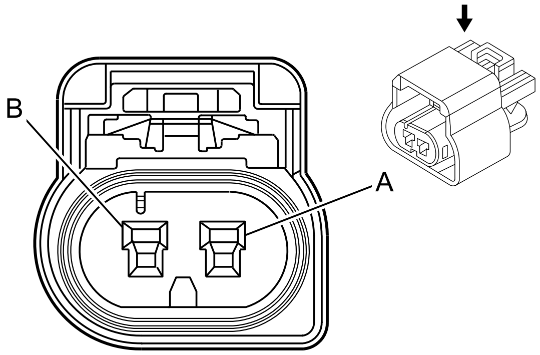
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B68A Knock Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/GY	496	Knock Sensor Signal (1)	I	-
2	0.75	BK/YE	1716	Knock Sensor Low Reference (1)	I	-

B68A Knock Sensor 1



Connector Part Information

Harness Type: Engine

OEM Connector: 15374222

Service Connector: SEE NOTE

Description: 2-Way F 150 GT Series, Sealed (NA)

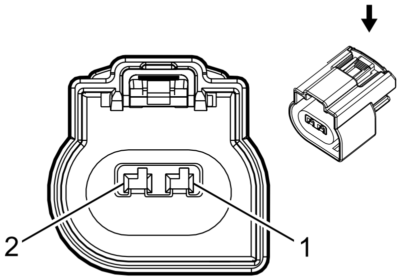
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575396	J-35616-2A (GY)	J-38125-553	15326427	5	2	1

B68A Knock Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	VT/GY	496	Knock Sensor Signal (1)	I	-
B	0.75	BK/YE	1716	Knock Sensor Low Reference (1)	I	-

B68B Knock Sensor 2



Connector Part Information

Harness Type: Engine

OEM Connector: 13814755

Service Connector: 19301207

Description: 2-Way F 150 MX Series, Sealed (BK)

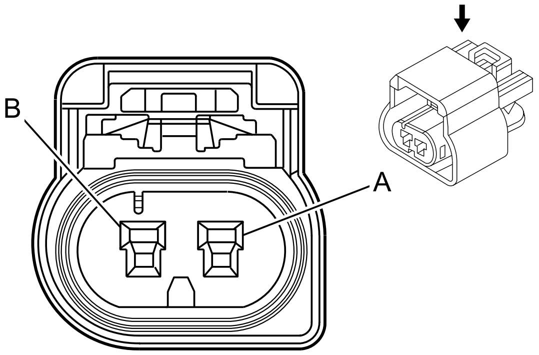
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B68B Knock Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/GY	1876	Knock Sensor Signal (2)	I	-
2	0.75	BK/GY	2303	Knock Sensor Low Reference (2)	I	-

B68B Knock Sensor 2



Connector Part Information

Harness Type: Engine

OEM Connector: 15374222

Service Connector: SEE NOTE

Description: 2-Way F 150 GT Series, Sealed (NA)

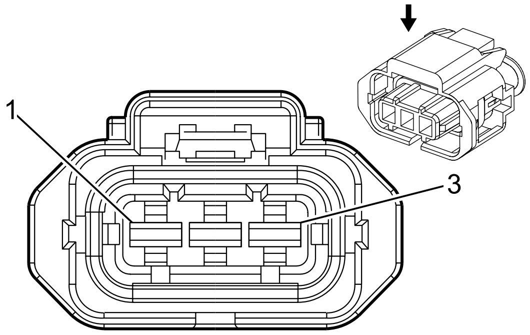
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575396	J-35616-2A (GY)	J-38125-553	15326427	5	2	1

B68B Knock Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	WH/GY	1876	Knock Sensor Signal (2)	I	-
B	0.75	BK/GY	2303	Knock Sensor Low Reference (2)	I	-

B74 Manifold Absolute Pressure Sensor (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 13639747

Service Connector: POPA

Description: 3-Way F 2.8 Junior Power Timer Series, Sealed (BK)

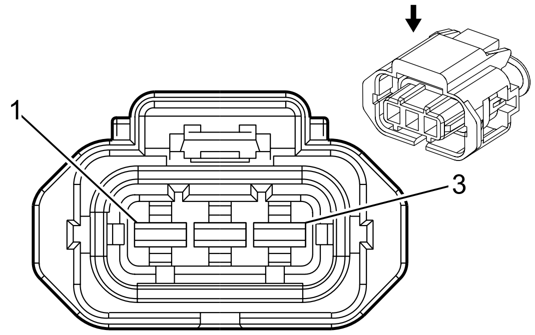
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13578877	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1

B74 Manifold Absolute Pressure Sensor (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5 Volt Reference	I	-
2	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	I	-
3	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	-

B74 Manifold Absolute Pressure Sensor (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 15345983

Service Connector: 13580231

Description: 3-Way F 2.8 Junior Power Timer Series, Sealed (GY)

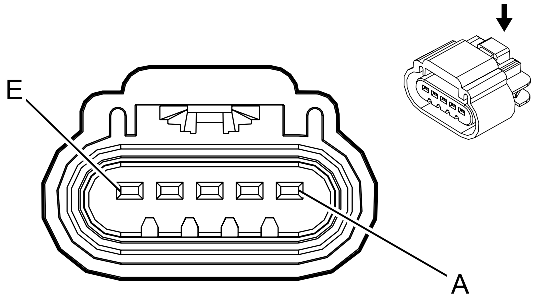
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-36	4-964286-1	16	Not Available	Not Available

B74 Manifold Absolute Pressure Sensor (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	GY	2704	Manifold Absolute Pressure Sensor 5 Volt Reference	I	LML
2	0	OG/BK	469	Manifold Absolute Pressure Sensor Low Reference	I	LML
3	0	L-GN	432	Manifold Absolute Pressure Sensor Signal	I	LML

B75B Mass Air Flow/Intake Air Temperature Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 13827319

Service Connector: Pending

Description: 5-Way F 150 GT Series, Sealed (GY)

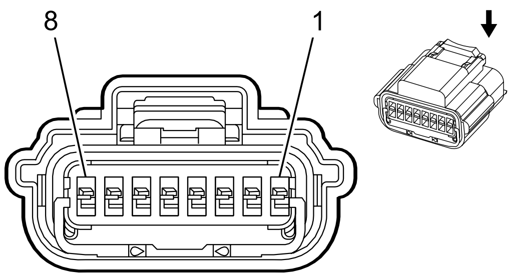
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

B75B Mass Air Flow/Intake Air Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5 0.5	BK/PU BK/D-BU	2760 6288	Intake Air Temperature Sensor Low Reference Induction Air Temperature Sensor Low Reference	I	-
B	0.5	WH/D-BU	6289	Induction Air Temperature Sensor Signal	I	-
C	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal	I	-
D	0.5 0.5	VT/D-BU VT/D-BU	5294 5293	Powertrain Main Relay Fused Supply (5) Powertrain Main Relay Fused Supply (4)	I	-
E	0.5 0.5	BK/WH BK/GY	451 2931	Signal Ground Mass Air Flow Sensor Low Reference	I	-

B75C Multifunction Intake Air Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 13774439

Service Connector: 13583440

Description: 8-Way F 0.64 Series, Sealed (BK)

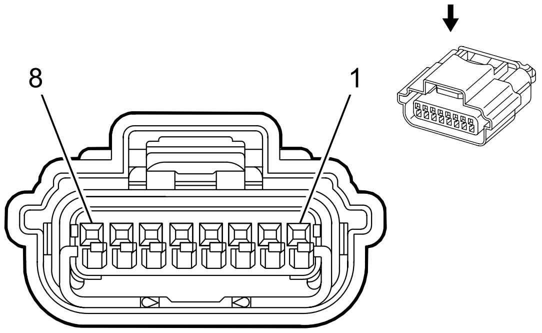
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Not Available	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

B75C Multifunction Intake Air Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/D-BU	6289	Induction Air Temperature Sensor Signal	I	-
2	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	I	-
3	0.5	WH/YE	3202	Throttle Inlet Absolute Pressure Sensor 5V Return	I	-
4	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	I	-
5	0.5	VT/D-BU	5294	Powertrain Main Relay Fused Supply (5)	I	-
6	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal	I	-
7	0.75	BK/WH	451	Signal Ground	II	-
8	0.5	GY/D-BU	7564	Humidity Sensor Signal	I	-

B75C Multifunction Intake Air Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 13913550

Service Connector: No SDC/FSU

Description: 8-Way F 0.64 Series, Sealed (BK)

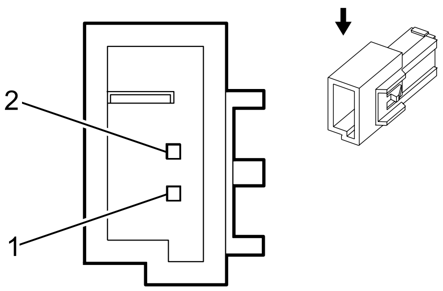
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

B75C Multifunction Intake Air Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-4	-	-	-	Not Occupied	-	-
5	0.5	VT/D-BU	5290	Powertrain Main Relay Fused Supply (1)	I	-
6	-	-	-	Not Occupied	-	-
7	0.75	BK/WH	451	Signal Ground	II	-
8	0.75	GY/D-BU	7564	Humidity Sensor Signal	II	-

B77LF Radio Volume Compensator Interior Noise Microphone - Left Front



Connector Part Information

Harness Type: Headliner

OEM Connector: 13676029

Service Connector: 19260825

Description: 2-Way M 0.64 Series (BK)

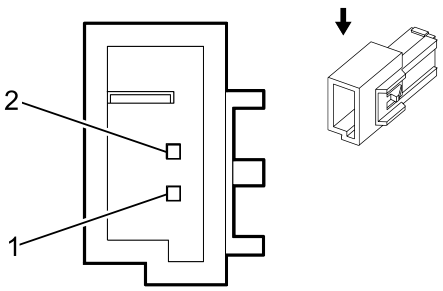
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-65B (L-BU)	J-38125-215A	SAITW-A03T-064	20	Not Available	Not Available

B77LF Radio Volume Compensator Interior Noise Microphone - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-GN/BK	3008	Noise Reduction Microphone #1 Return	I	-
2	0.35 0.35	L-GN/BN L-GN/WH	3005 3005	Noise Reduction Microphone #1 Signal Noise Reduction Microphone #1 Signal	I	-

B77R Radio Volume Compensator Interior Noise Microphone - Rear



Connector Part Information

Harness Type: Headliner

OEM Connector: 13676029

Service Connector: 19260825

Description: 2-Way M 0.64 Series (BK)

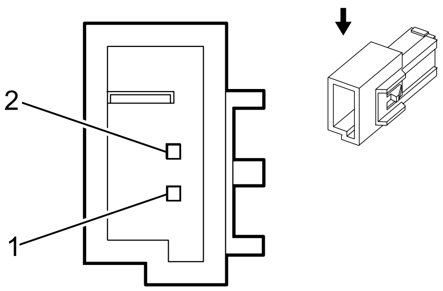
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-65B (L-BU)	J-38125-215A	SAITW-A03T-064	20	Not Available	Not Available

B77R Radio Volume Compensator Interior Noise Microphone - Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	D-BU/BK	3009	Noise Reduction Microphone #2 Return	I	-
2	0.35	D-BU/YE	3006	Noise Reduction Microphone #2 Signal	I	-

B77RF Radio Volume Compensator Interior Noise Microphone - Right Front



Connector Part Information

Harness Type: Headliner

OEM Connector: 13676029

Service Connector: 19260825

Description: 2-Way M 0.64 Series (BK)

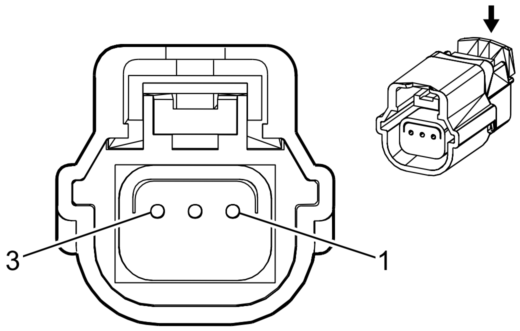
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-65B (L-BU)	J-38125-215A	SAITW-A03T-064	20	Not Available	Not Available

B77RF Radio Volume Compensator Interior Noise Microphone - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/BN	3010	Noise Reduction Microphone #3 Return	I	-
2	0.35	GY/D-BU	3007	Noise Reduction Microphone #3 Signal	I	-

B78A Front Object Sensor - Left Outer



Connector Part Information

Harness Type: Front Bumper

OEM Connector: 13512481

Service Connector: No SDC/FSU

Description: 3-Way F 0.64 Series, Sealed (BK)

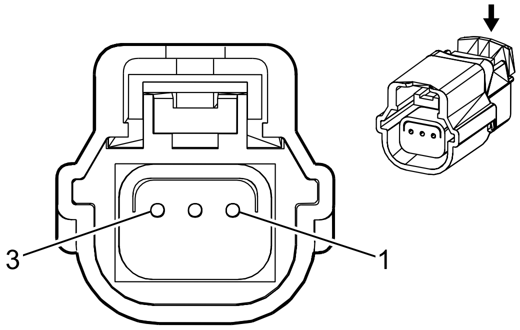
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

B78A Front Object Sensor - Left Outer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5 0.5	BN YE/L-GN	6581 5213	Front Parking Aid Display Supply Voltage Front Parking Left/Right/Mid Sensor	I	-
2	0.5	VT/WH	5215	Front Parking Left Corner Sensor	I	-
3	0.5	BK/D-BU	5214	Front Parking Sensor Low Reference	I	-

B78B Front Object Sensor - Right Outer



Connector Part Information

Harness Type: Front Bumper

OEM Connector: 13512481

Service Connector: No SDC/FSU

Description: 3-Way F 0.64 Series, Sealed (BK)

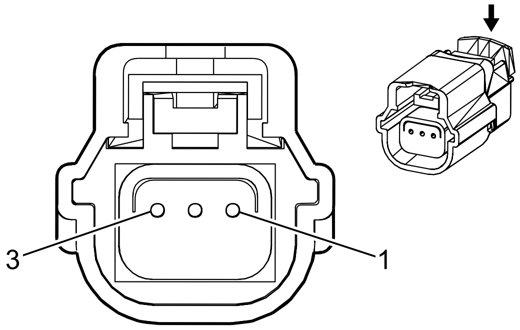
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

B78B Front Object Sensor - Right Outer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/L-GN	5213	Front Parking Left/Right/Mid Sensor	I	-
2	0.5	WH/GY	5217	Front Parking Right Corner Sensor	I	-
3	0.5	BK/D-BU	5214	Front Parking Sensor Low Reference	I	-

B78C Front Object Sensor - Left Middle



Connector Part Information

Harness Type: Front Bumper

OEM Connector: 13512481

Service Connector: No SDC/FSU

Description: 3-Way F 0.64 Series, Sealed (BK)

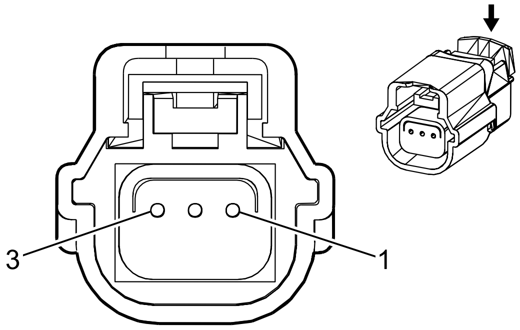
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

B78C Front Object Sensor - Left Middle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/L-GN	5213	Front Parking Left/Right/Mid Sensor	I	-
2	0.5	YE/GY	5216	Front Parking Left Mid Sensor	I	-
3	0.5	BK/D-BU	5214	Front Parking Sensor Low Reference	I	-

B78D Front Object Sensor - Right Middle



Connector Part Information

Harness Type: Front Bumper

OEM Connector: 13512481

Service Connector: No SDC/FSU

Description: 3-Way F 0.64 Series, Sealed (BK)

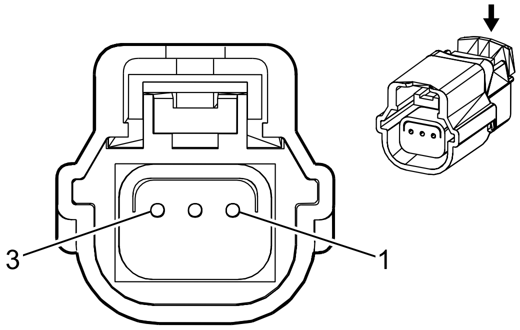
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

B78D Front Object Sensor - Right Middle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/L-GN	5213	Front Parking Left/Right/Mid Sensor	I	-
2	0.5	VT/GY	5218	Front Parking Right Mid Sensor	I	-
3	0.5	BK/D-BU	5214	Front Parking Sensor Low Reference	I	-

B78E Rear Object Sensor - Left Middle



Connector Part Information

Harness Type: Rear Bumper

OEM Connector: 13512481

Service Connector: No SDC/FSU

Description: 3-Way F 0.64 Series, Sealed (BK)

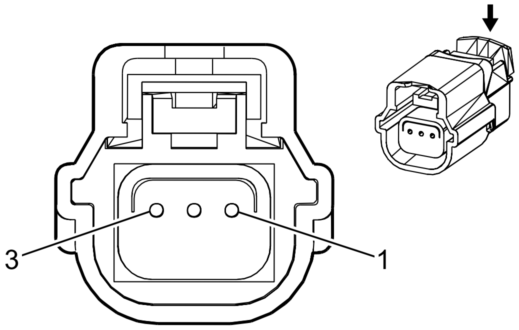
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

B78E Rear Object Sensor - Left Middle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Supply Voltage	I	-
2	0.5	YE/D-BU	2376	Left Rear Middle Object Sensor Signal	I	-
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	-

B78F Rear Object Sensor - Right Middle



Connector Part Information

Harness Type: Rear Bumper

OEM Connector: 13512481

Service Connector: No SDC/FSU

Description: 3-Way F 0.64 Series, Sealed (BK)

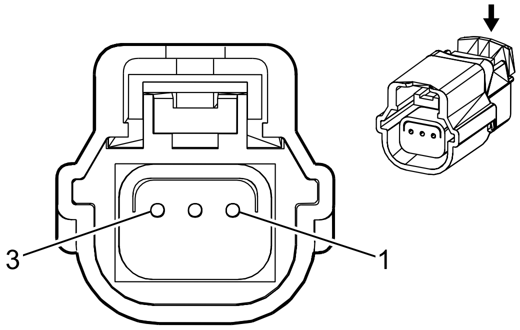
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

B78F Rear Object Sensor - Right Middle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Supply Voltage	I	-
2	0.5	YE/VT	2378	Right Rear Corner Object Sensor Signal	I	-
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	-

B78G Rear Object Sensor - Left Outer



Connector Part Information

Harness Type: Rear Bumper

OEM Connector: 13512481

Service Connector: No SDC/FSU

Description: 3-Way F 0.64 Series, Sealed (BK)

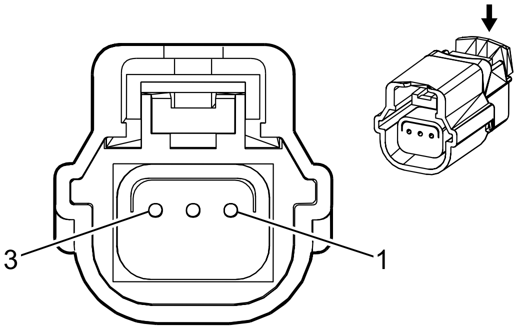
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

B78G Rear Object Sensor - Left Outer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Supply Voltage	I	-
2	0.5	YE	2375	Left Rear Corner Object Sensor Signal	I	-
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	-

B78H Rear Object Sensor - Right Outer



Connector Part Information

Harness Type: Rear Bumper

OEM Connector: 13512481

Service Connector: No SDC/FSU

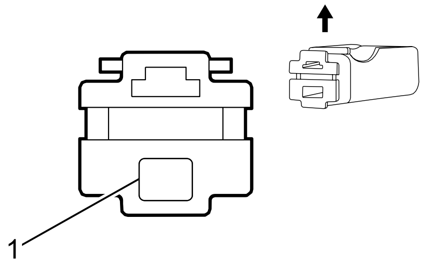
Description: 3-Way F 0.64 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

B78H Rear Object Sensor - Right Outer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Supply Voltage	I	-
2	0.5	YE/WH	2377	Right Rear Middle Object Sensor Signal	I	-
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	-



Connector Part Information

Harness Type: Body

OEM Connector: 13511619

Service Connector: Pending

Description: 1-Way F 250 Series (BK)

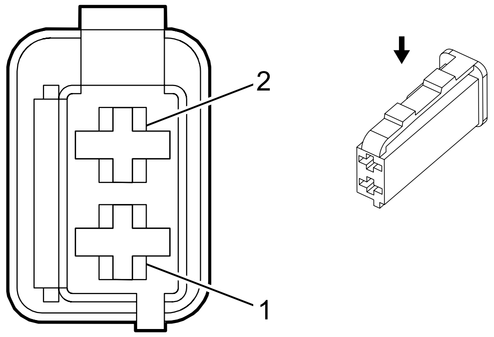
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B80 Park Brake Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	D-BU/VT	1134	Park Brake Switch Signal	I	-
	1	D-BU/VT	1134	Park Brake Switch Signal		

B88D Seat Belt Switch - Driver



Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 1563189-1

Service Connector: 13580951

Description: 2-Way F 1.6 Timer Series (BK)

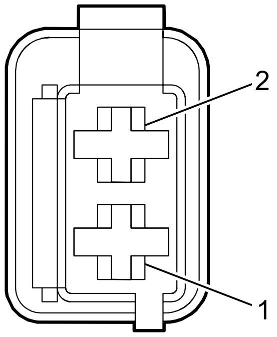
Terminal Part Information

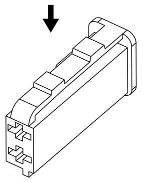
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B88D Seat Belt Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/OG	1363	Driver Seat Belt Switch Low Reference	I	-
2	0.35	OG/BN	238	Driver Seat Belt Switch Signal	I	-

B88P Seat Belt Switch - Passenger





Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 1563189-1

Service Connector: 13580951

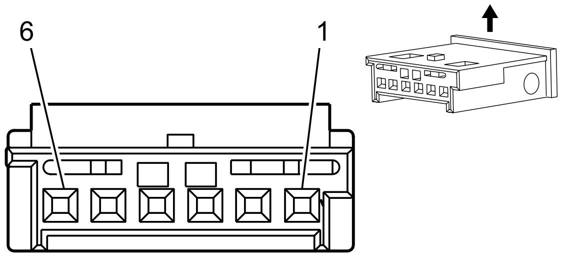
Description: 2-Way F 1.6 Timer Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B88P Seat Belt Switch - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/OG	1361	Passenger Seat Belt Switch Low Reference	I	-
2	0.35	OG/VT	1362	Passenger Seat Belt Switch Signal	I	-



Connector Part Information

Harness Type:

OEM Connector: 1-1241370-3

Service Connector: 13505903

Description: 6 F 0.64 Micro Quadlock Series (BK)

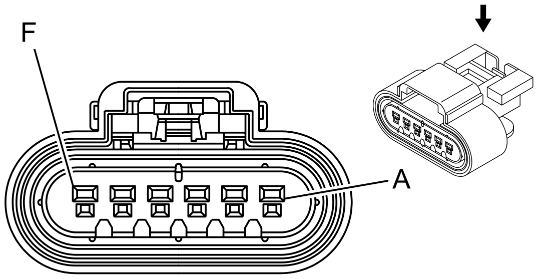
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B99 Steering Wheel Angle Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
2	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
3	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
4	0.5	BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
5	0.5	GN/BN	2087	Combined Vehicle Inertial Sensor Supply Voltage	I	-
6	0.5	BK/WH	1851	Signal Ground	I	-

B107 Accelerator Pedal Position Sensor



Connector Part Information

Harness Type: Brake Clutch Jumper

OEM Connector: 15326830

Service Connector: 13584094

Description: 6-Way F 150 GT Series, Sealed (BK)

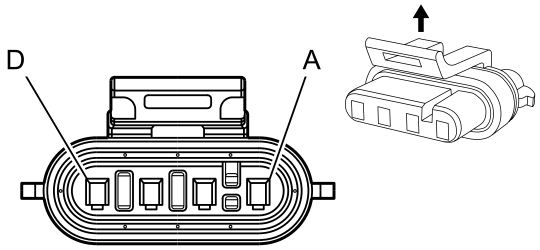
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	15326427	5	E	A

B107 Accelerator Pedal Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	BK/VT	1272	Accelerator Pedal Position Low Reference (2)	I	-
B	0.35	L-GN/WH	1162	Accelerator Pedal Position Signal (2)	I	-
C	0.35	BN/RD	1274	Accelerator Pedal Position 5 Volt Reference (2)	I	-
D	0.35	WH/RD	1164	Accelerator Pedal Position 5 Volt Reference (1)	I	-
E	0.35	YE/WH	1161	Accelerator Pedal Position Signal (1)	I	-
F	0.35	BK/D-BU	1271	Accelerator Pedal Position Low Reference (1)	I	-

B112 Turbocharger Vane Position Sensor (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 12191366

Service Connector: 88988603

Description: 4-Way F 150 Metri Pack Series, Sealed (L-GY)

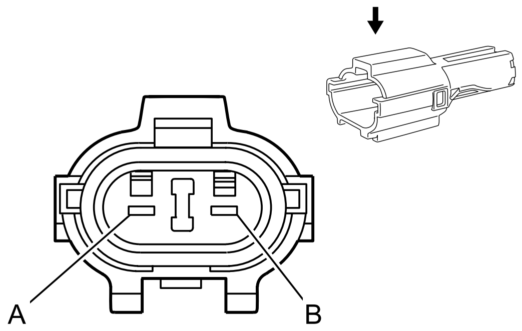
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-12A	12160223	3	Not Available	Not Available

B112 Turbocharger Vane Position Sensor (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	-	-	-	Not Occupied	-	-
B	0	YE	5947	Variable Nozzle Turbo Position Sensor Signal	I	LML
C	0	OG/BK	5929	Variable Nozzle Turbo Position Sensor Low Reference	I	LML
D	0		5928	Variable Nozzle Turbo Position Sensor Voltage Reference	I	LML

B116 Water in Fuel Sensor (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 7322-1424-40

Service Connector: 94447499

Description: 2-Way F (L-GY)

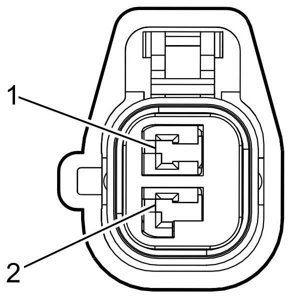
Terminal Part Information

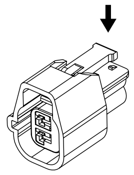
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B116 Water in Fuel Sensor (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	BU	6863	Water In Fuel Sensor Low Reference	I	LML
2	0	BU/YE	6861	Water In Fuel Sensor Signal	I	LML

B118B Windshield Washer Fluid Level Switch





Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13577970

Service Connector: Pending

Description: 2-Way F 1.5 Series (L-GY)

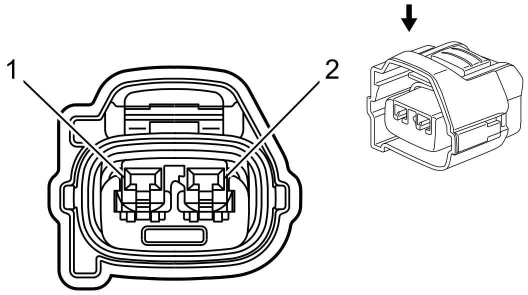
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576370	J-35616-2A (GY)	J-38125-11A	7116-4102-08	9	E	1

B118B Windshield Washer Fluid Level Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT	185	Low Washer Fluid Indicator Control	I	-
2	0.5	BK	150	Ground	I	-

B130A Exhaust Gas Recirculation Temperature Sensor 1 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 7283-7020-10

Service Connector: 13576415

Description: 2-Way F 090 Series, Sealed (D-GY)

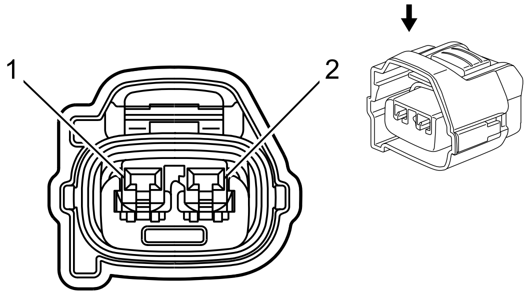
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B130A Exhaust Gas Recirculation Temperature Sensor 1 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	VT/WH	7584	Exhaust Gas Recirculation Temperature Sensor #1 Supply Voltage	I	LML
2	0	BR	6274	Exhaust Gas Recirculation Temperature Sensor Low Reference	I	LML

B130B Exhaust Gas Recirculation Temperature Sensor 2 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 7283-7020-10

Service Connector: 13576415

Description: 2-Way F 090 Series, Sealed (D-GY)

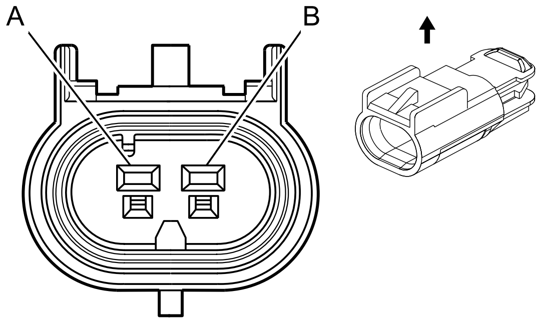
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B130B Exhaust Gas Recirculation Temperature Sensor 2 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	BU	7583	Exhaust Gas Recirculation Temperature Sensor #2 Supply Voltage	I	LML
2	0	WH	6275	Exhaust Gas Recirculation Temperature Sensor #2 Low Reference	I	LML

B131A Exhaust Temperature Sensor 1 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 13546698

Service Connector: 13580103

Description: 2-Way M 150 GT Series, Sealed (NA)

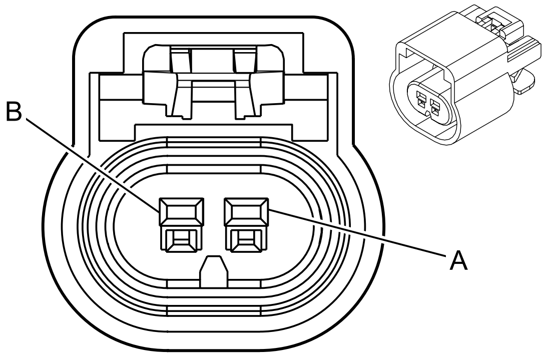
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-3 (GY)	J-38125-553	15373403	5	Not Available	Not Available

B131A Exhaust Temperature Sensor 1 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0	BU	5277	Exhaust Gas Temperature Sensor (1)	I	LML
B	0	BR	6782	Exhaust Gas Temperature Sensor 1 Low Reference	I	LML

B131C Exhaust Temperature Sensor 3 (LML)



Connector Part Information

Harness Type: Chassis

OEM Connector: 13546696

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 150 GT Series, Sealed (NA)

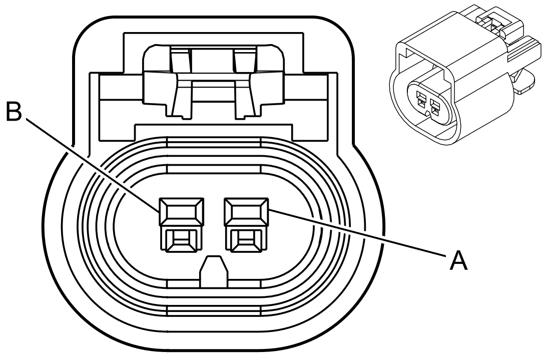
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	15326427	5	E	A

B131C Exhaust Temperature Sensor 3 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	GY/L-GN	5378	Exhaust Gas Temperature Sensor (3)	I	-
B	0.5	BK/L-GN	3657	Exhaust Gas Temperature Sensor #3 Low Reference	I	-

B131E Exhaust Temperature Sensor 5 (LML)



Connector Part Information

Harness Type: Chassis

OEM Connector: 13546696

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 150 GT Series, Sealed (NA)

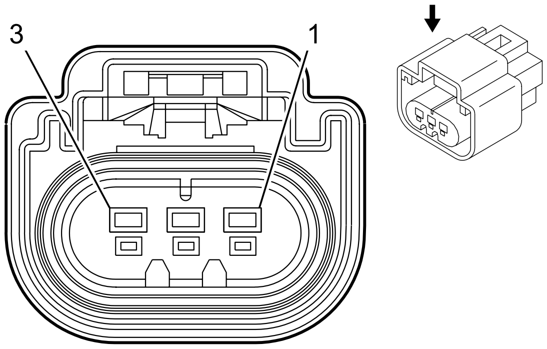
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	15326427	5	E	A

B131E Exhaust Temperature Sensor 5 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	D-BU/GY	3660	Exhaust Gas Temperature Sensor #5 Signal	I	-
B	0.5	BK/VT	3661	Exhaust Gas Temperature Sensor #5 Low Reference	I	-

B150 Fuel Tank Pressure Sensor



Connector Part Information

Harness Type: Chassis

OEM Connector: 13511996

Service Connector: 13580873

Description: 3-Way F 150 GT Series, Sealed (GY)

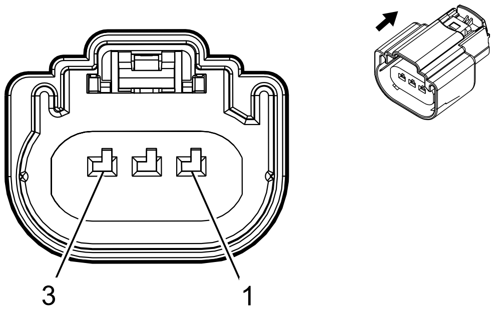
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

B150 Fuel Tank Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	D-BU/WH	890	Fuel Tank Pressure Sensor Signal	I	-
2	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	-
3	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5 Volt Reference	I	-

B152LF Suspension Position Sensor - Left Front



Connector Part Information

Harness Type: Chassis

OEM Connector: 13873527

Service Connector: 19300594

Description: 3-Way F 1.5 Series, Sealed (GY)

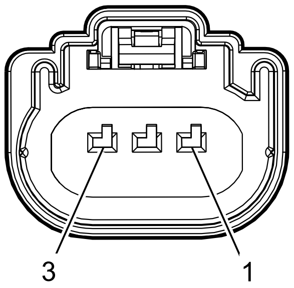
Terminal Part Information

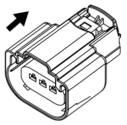
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B152LF Suspension Position Sensor - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	D-BU/RD	1205	Left Front Strut Position Sensor Voltage Reference	I	-
2	0.5	BK/D-BU	1206	Left Front Strut Position Sensor Low Reference	I	-
3	0.5	BN/WH	1207	Left Front Strut Position Sensor Signal	I	-

B152LR Suspension Position Sensor - Left Rear





Connector Part Information

Harness Type: Chassis

OEM Connector: 13873527

Service Connector: 19300594

Description: 3-Way F 1.5 Series, Sealed (GY)

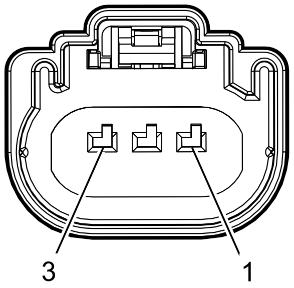
Terminal Part Information

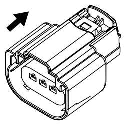
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B152LR Suspension Position Sensor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/RD	1208	Left Rear Strut Position Sensor Voltage Reference	I	-
2	0.5	BK/L-GN	1209	Left Rear Strut Position Sensor Low Reference	I	-
3	0.5	L-GN/WH	1210	Left Rear Strut Position Sensor Signal	I	-

B152RF Suspension Position Sensor - Right Front





Connector Part Information

Harness Type: Chassis

OEM Connector: 13873527

Service Connector: 19300594

Description: 3-Way F 1.5 Series, Sealed (GY)

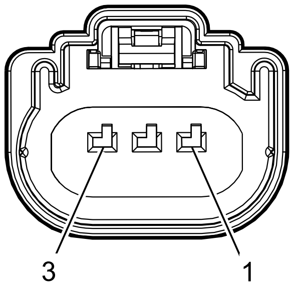
Terminal Part Information

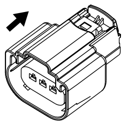
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B152RF Suspension Position Sensor - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/RD	1211	Right Front Strut Position Sensor Voltage Reference	I	-
2	0.5	BK/GY	1212	Right Front Strut Position Sensor Low Reference	I	-
3	0.5	YE/WH	1213	Right Front Strut Position Sensor Signal	I	-

B152RR Suspension Position Sensor - Right Rear





Connector Part Information

Harness Type: Chassis

OEM Connector: 13873527

Service Connector: 19300594

Description: 3-Way F 1.5 Series, Sealed (GY)

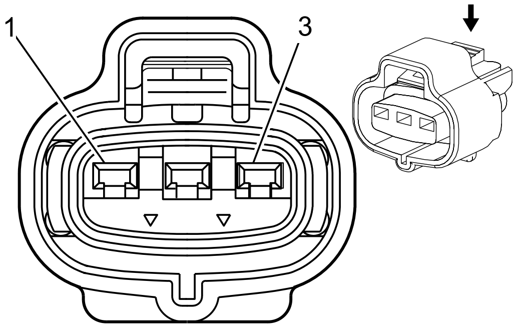
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B152RR Suspension Position Sensor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/RD	1214	Right Rear Strut Position Sensor Voltage Reference	I	-
2	0.5	BK/YE	1215	Right Rear Strut Position Sensor Low Reference	I	-
3	0.5	L-GN/GY	1216	Right Rear Strut Position Sensor Signal	I	-

B154 Diesel Particulate Filter Exhaust Differential Pressure Sensor (LML)



Connector Part Information

Harness Type: Chassis

OEM Connector: 15401052

Service Connector: 88953311

Description: 3-Way F 090 Series, Sealed (BK)

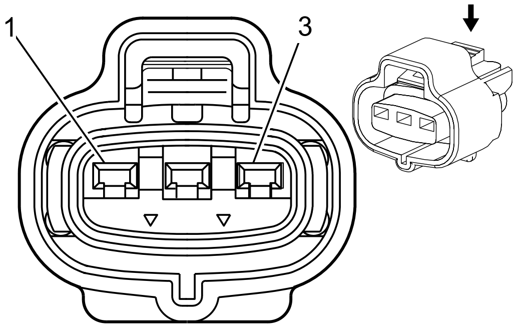
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B154 Diesel Particulate Filter Exhaust Differential Pressure Sensor (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/YE	6055	Exhaust Pressure Sensor Low Reference (1)	I	-
2	0.5	D-BU	6053	Exhaust Pressure Sensor Signal (1)	I	-
3	0.5	WH/RD	6054	Exhaust Pressure Sensor 5 Volt Reference (1)	I	-

B154 Diesel Particulate Filter Exhaust Differential Pressure Sensor



Connector Part Information

Harness Type: Chassis

OEM Connector: 15401052

Service Connector: 88953311

Description: 3-Way F 090 Series, Sealed (BK)

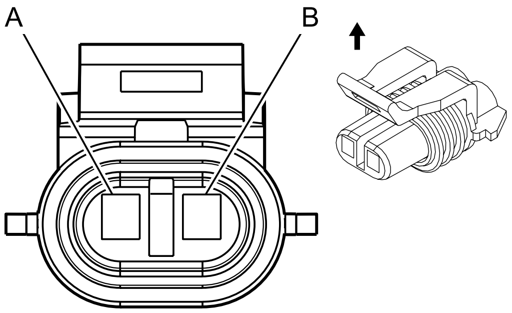
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

B154 Diesel Particulate Filter Exhaust Differential Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/YE	6055	Exhaust Pressure Sensor Low Reference (1)	I	-
2	0.5	D-BU	6053	Exhaust Pressure Sensor Signal (1)	I	-
3	0.5	WH/RD	6054	Exhaust Pressure Sensor 5 Volt Reference (1)	I	-

B181 Fuel Filter Pressure Sensor (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 12052641

Service Connector: 13586114

Description: 2-Way F 150 Metri Pack Series (BK)

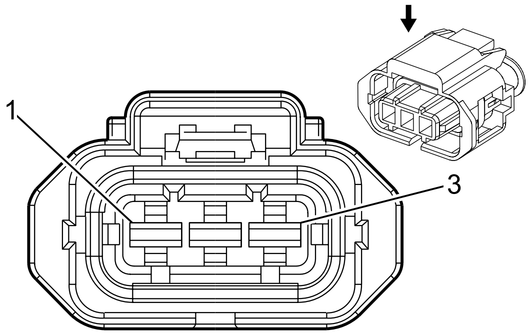
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-12A	12160223	3	Not Available	Not Available

B181 Fuel Filter Pressure Sensor (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0	GY/BK	5765	Fuel Filter Pressure Switch Signal	I	LML
B	0	BK	450	Ground	I	LML

B192 Throttle Inlet Absolute Pressure Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 13639747

Service Connector: POPA

Description: 3-Way F 2.8 Junior Power Timer Series, Sealed (BK)

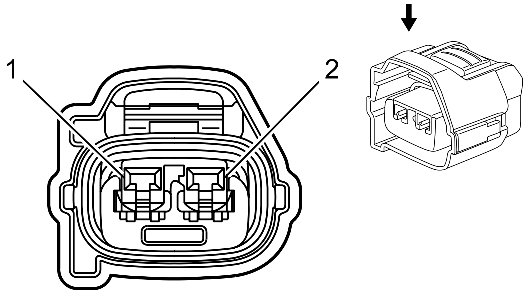
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13578877	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1

B192 Throttle Inlet Absolute Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	I	-
2	0.5	WH/YE	3202	Throttle Inlet Absolute Pressure Sensor 5V Return	I	-
3	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	I	-

B193A Charge Air Cooler Inlet Temperature Sensor (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 7283-7020-10

Service Connector: 13576415

Description: 2-Way F 090 Series, Sealed (D-GY)

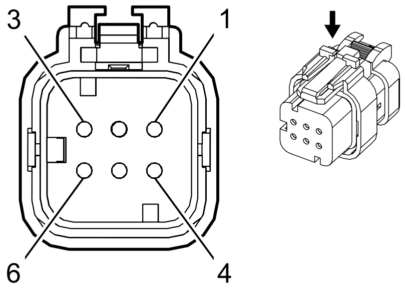
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B193A Charge Air Cooler Inlet Temperature Sensor (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	D-GN	3683	Charge Air Cooler Inlet Temperature Sensor Signal	I	LML
2	0	BK	3682	Charge Air Cooler Inlet Temperature Sensor Return	I	LML

B195A Nitrogen Oxides Sensor 1 (LML)



Connector Part Information

Harness Type: Chassis

OEM Connector: 13734132

Service Connector: 13579574

Description: 6-Way F (BK)

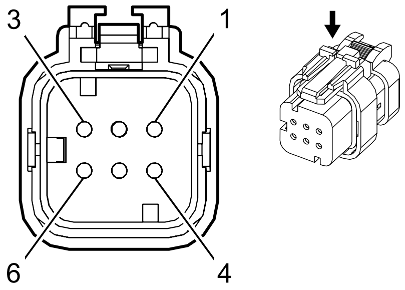
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-4A (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

B195A Nitrogen Oxides Sensor 1 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY	3672	Nox Sensor (2) Supply Voltage	I	-
2	0.5	WH	7494	High Speed GMLAN Serial Data (-)(3)	II	-
3	0.5	D-BU/BK	7493	High Speed GMLAN Serial Data (+)(3)	II	-
4	0.75	BK/GY	3671	Nox Sensor (2) Ground	I	-
5-6	-	-	-	Not Occupied	-	-

B195A Nitrogen Oxides Sensor 1



Connector Part Information

Harness Type: Chassis

OEM Connector: 13734132

Service Connector: 13579574

Description: 6-Way F (BK)

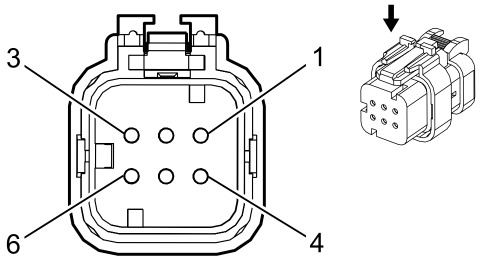
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-4A (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

B195A Nitrogen Oxides Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY	3672	Nox Sensor (2) Supply Voltage	I	-
2	0.5	WH	7494	High Speed GMLAN Serial Data (-)(3)	I	-
3	0.5	D-BU/BK	7493	High Speed GMLAN Serial Data (+)(3)	I	-
4	0.75	BK/GY	3671	Nox Sensor (2) Ground	I	-
5-6	-	-	-	Not Occupied	-	-

B195A Nitrogen Oxides Sensor 1



Connector Part Information

Harness Type: Engine

OEM Connector: 13738257

Service Connector: 13578974

Description: 6-Way F 2.8 Series, Sealed (BK)

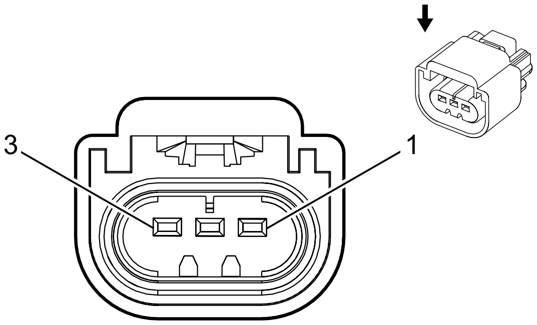
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-66 (YE)	J-38125-11A	776491-1	17	C	Not Available
II	Not Available	J-35616-4A (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

B195A Nitrogen Oxides Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	VT/D-BU	3674	Nox Sensor (1) Supply Voltage	I	-
2	0.5	WH	7494	High Speed GMLAN Serial Data (-)(3)	II	-
3	0.5	D-BU/BK	7493	High Speed GMLAN Serial Data (+)(3)	II	-
4	1.5	BK/D-BU	3673	Nox Sensor (1) Ground	I	-
5	0.5	WH	7494	High Speed GMLAN Serial Data (-)(3)	II	-
6	0.5	D-BU/BK	7493	High Speed GMLAN Serial Data (+)(3)	II	-

B198 Fuel Composition Sensor



Connector Part Information

Harness Type: Chassis

OEM Connector: 13511132

Service Connector: 19301582

Description: 3-Way F 150 GT Series, Sealed (BN)

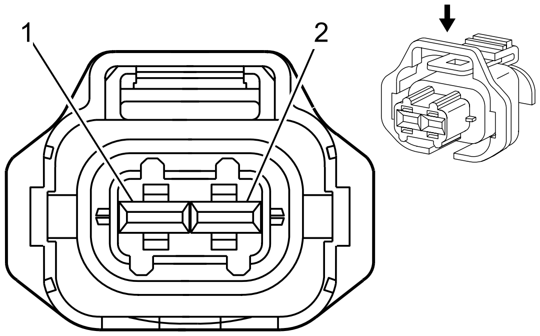
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

B198 Fuel Composition Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/D-BU	5294	Powertrain Main Relay Fused Supply (5)	I	-
2	0.5	BK	2150	Ground	I	-
3	0.5	WH	1579	Fuel Temperature/Composition Signal	I	-

B215 Fuel Filter Pressure Switch (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 1928403874

Service Connector: 88988963

Description: 2-Way F Kompakt 2.8 Series, Sealed (BK)

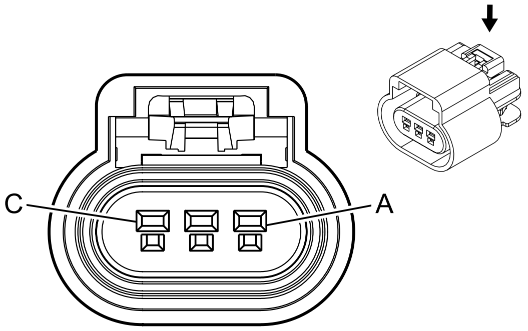
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

B215 Fuel Filter Pressure Switch (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	YE	2928	Fuel Metering Valve High Control	I	LML
2	0	BK	2929	Fuel Metering Valve Low Control	I	LML

B227 Gear Position Sensor



Connector Part Information

Harness Type: Engine

OEM Connector: 15326808

Service Connector: SEE NOTE

Description: 3-Way F 150 GT Series, Sealed (BK)

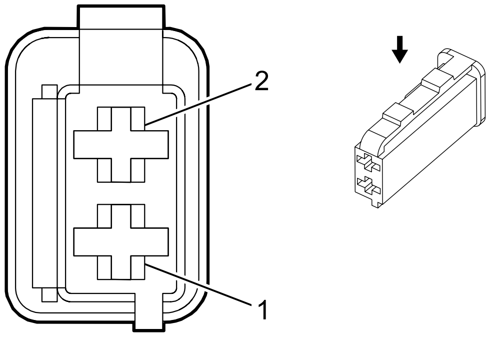
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

B227 Gear Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/BK	7478	Rotary Position Sensor Return	I	-
B	0.5	WH/RD	7477	Rotary Position Sensor Supply 5V	I	-
C	0.5	WH/L-GN	7479	Rotary Position Sensor Signal	I	-

E1C Accent Lamp - Driver Door Handle



Connector Part Information

Harness Type: Driver Door Trim

OEM Connector: 13670097

Service Connector: 13580951

Description: 2-Way F 1.6 Timer Series (BK)

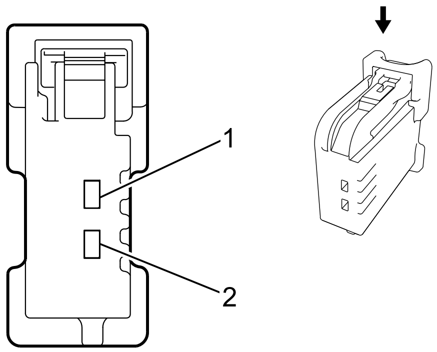
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	Not Available	Not Available

E1C Accent Lamp - Driver Door Handle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	-
2	0.35	BK	1150	Ground	I	-

E1L Accent Lamp - Overhead Console



Connector Part Information

Harness Type: Overhead Console

OEM Connector: 13595207

Service Connector: 13584097

Description: 2-Way F 0.64, 1.5 Series (BK)

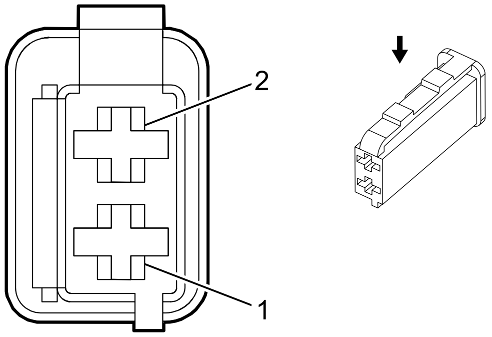
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327110	J-35616-2A (GY)	J-38125-553	12191812	19	E	C

E1L Accent Lamp - Overhead Console

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/L-GN	7558	LED Ambient Lighting Control 2	I	-
2	0.35	BK	1050	Ground	I	-

E1M Accent Lamp - Passenger Door Handle



Connector Part Information

Harness Type: Passenger Door Trim

OEM Connector: 13670097

Service Connector: 13580951

Description: 2-Way F 1.6 Timer Series (BK)

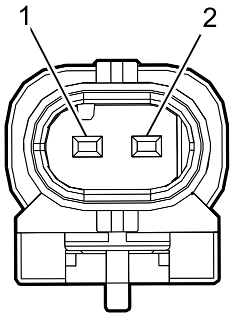
Terminal Part Information

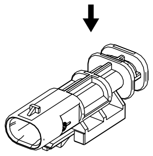
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	Not Available	Not Available
II	Pending	J-35616-14 (GN)	J-38125-560	964274-2	16	E	1

E1M Accent Lamp - Passenger Door Handle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/YE	7557	LED Ambient Lighting Control 1	I	-
2	0.35	BK	1250	Ground	I	-

E2A Marker Lamp - Endgate





Connector Part Information

Harness Type: Rear Clearance Lamps (Right) Jumper

OEM Connector: 13788295

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way M 1.2 MLK Series, Sealed (BK)

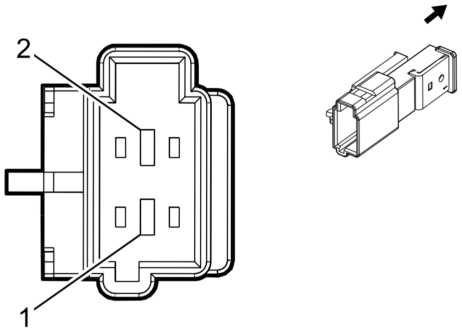
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

E2A Marker Lamp - Endgate

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BN	309	Right Park Lamp Supply Voltage	I	-
2	0.5	BK	1750	Ground	I	-

E3A Roof Clearance Lamp - Left Front Outer



Connector Part Information

Harness Type: Headliner

OEM Connector: 13662506

Service Connector: 13574780

Description: 2-Way M 1.6 Timer Series (BK)

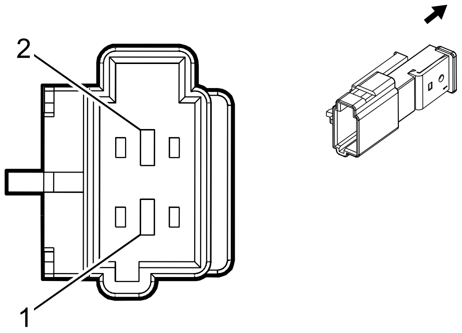
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587483	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2

E3A Roof Clearance Lamp - Left Front Outer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	-
2	0.5	BK	1050	Ground	I	-

E3B Roof Clearance Lamp - Left Front Inner



Connector Part Information

Harness Type: Headliner

OEM Connector: 13662506

Service Connector: 13574780

Description: 2-Way M 1.6 Timer Series (BK)

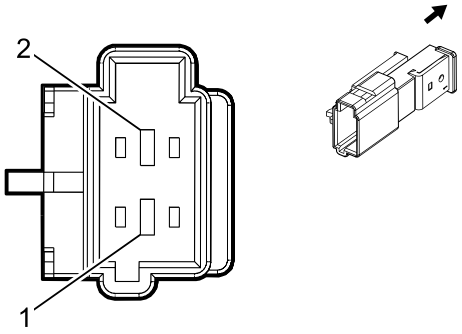
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587483	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2

E3B Roof Clearance Lamp - Left Front Inner

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	-
2	0.5	BK	1050	Ground	I	-

E3C Roof Clearance Lamp - Front Middle



Connector Part Information

Harness Type: Headliner

OEM Connector: 13662506

Service Connector: 13574780

Description: 2-Way M 1.6 Timer Series (BK)

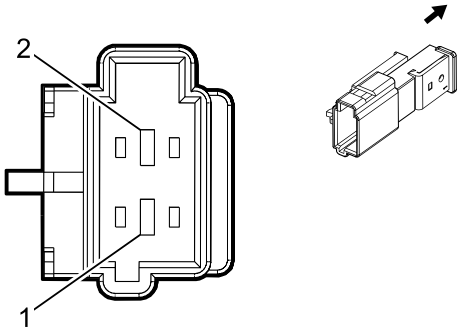
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587483	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2

E3C Roof Clearance Lamp - Front Middle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	-
2	0.5	BK	1050	Ground	I	-

E3D Roof Clearance Lamp - Right Front Inner



Connector Part Information

Harness Type: Headliner

OEM Connector: 13662506

Service Connector: 13574780

Description: 2-Way M 1.6 Timer Series (BK)

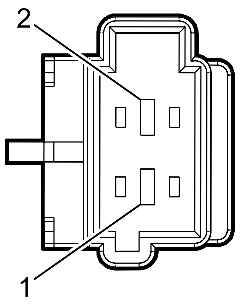
Terminal Part Information

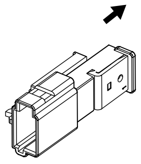
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587483	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2

E3D Roof Clearance Lamp - Right Front Inner

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	-
2	0.5	BK	1050	Ground	I	-

E3E Roof Clearance Lamp - Right Front Outer





Connector Part Information

Harness Type: Headliner

OEM Connector: 13662506

Service Connector: 13574780

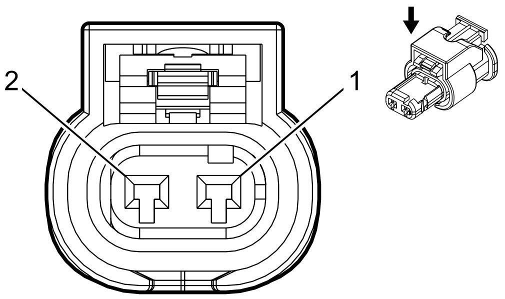
Description: 2-Way M 1.6 Timer Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587483	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2

E3E Roof Clearance Lamp - Right Front Outer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	-
2	0.5	BK	1050	Ground	I	-



Connector Part Information

Harness Type: Rear Clearance Lamps (Left) Jumper

OEM Connector: 13627836

Service Connector: No SDC/FSU

Description: 2-Way F 1.2 MCP Series, Sealed (BK)

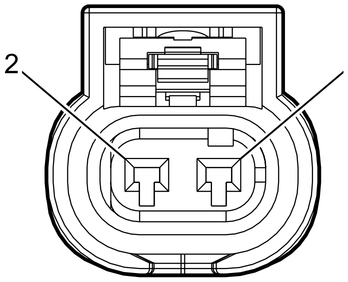
Terminal Part Information

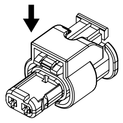
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

E3LF Rear Fender Clearance Lamp - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	-
2	0.5	BK	1750	Ground	I	-

E3LR Rear Fender Clearance Lamp - Left Rear





Connector Part Information

Harness Type: Rear Clearance Lamps (Left) Jumper

OEM Connector: 13627836

Service Connector: No SDC/FSU

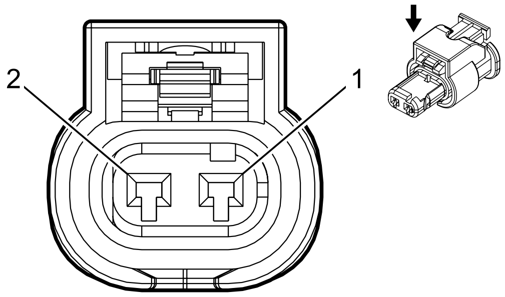
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

E3LR Rear Fender Clearance Lamp - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	-
2	0.5	BK	1750	Ground	I	-



Connector Part Information

Harness Type: Rear Clearance Lamps (Right) Jumper

OEM Connector: 13627836

Service Connector: No SDC/FSU

Description: 2-Way F 1.2 MCP Series, Sealed (BK)

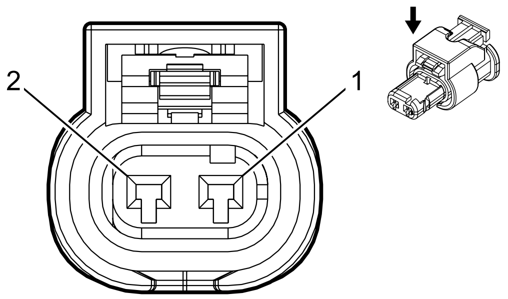
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

E3RF Rear Fender Clearance Lamp - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BN	309	Right Park Lamp Supply Voltage	I	-
2	0.5	BK	1750	Ground	I	-

E3RR Rear Fender Clearance Lamp - Right Rear



Connector Part Information

Harness Type: Rear Clearance Lamps (Right) Jumper

OEM Connector: 13627836

Service Connector: No SDC/FSU

Description: 2-Way F 1.2 MCP Series, Sealed (BK)

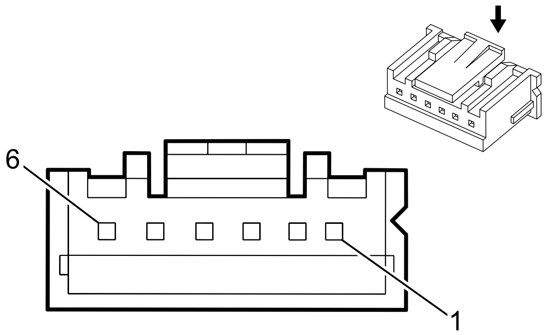
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

E3RR Rear Fender Clearance Lamp - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BN	309	Right Park Lamp Supply Voltage	I	-
2	0.5	BK	1750	Ground	I	-

E4AC Park/Daytime Running Lamp - Left



Connector Part Information

Harness Type:

OEM Connector: PAP-06V-S

Service Connector: Service by Harness – See Part Catalog

Description: 6 F 050 Series (NA)

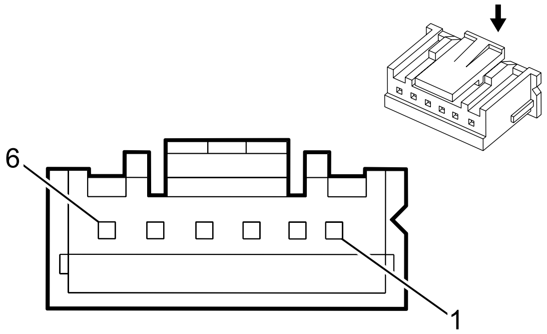
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E4AC Park/Daytime Running Lamp - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG	-	Park/DRL LED +	I	Z88
2	0.5	VT	-	Park/DRL LED -	I	Z88
3	0.5	PK	-	DRL CTN	I	Z88
4	0.5	L-GN	-	DRL BIN	I	Z88
5	0.5	L-BU	-	Ground	I	Z88
6	-	-	-	Not Occupied	-	-

E4AD Park/Daytime Running Lamp - Right



Connector Part Information

Harness Type:

OEM Connector: PAP-06V-S

Service Connector: Service by Harness – See Part Catalog

Description: 6 F 050 Series (NA)

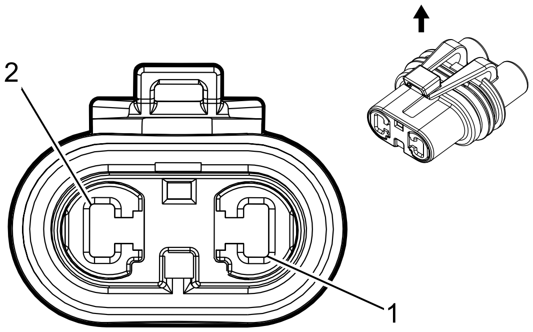
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E4AD Park/Daytime Running Lamp - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG	-	Park/DRL LED +	I	Z88
2	0.5	VT	-	Park/DRL LED -	I	Z88
3	0.5	PK	-	DRL CTN	I	Z88
4	0.5	L-GN	-	DRL BIN	I	Z88
5	0.5	L-BU	-	Ground	I	Z88
6	-	-	-	Not Occupied	-	-

E4G Headlamp – Left Low Beam



Connector Part Information

Harness Type:

OEM Connector: F412210

Service Connector: Service by Harness – See Part Catalog

Description: 2 F Sealed (BK)

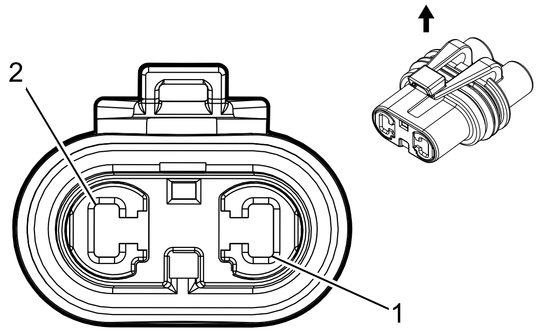
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E4G Headlamp – Left Low Beam

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD	712	Left Headlamp Low Beam Supply Voltage	I	-
2	0.5	BK	150	Ground	I	-

E4H Headlamp – Right Low Beam



Connector Part Information

Harness Type:

OEM Connector: F412210

Service Connector: Service by Harness – See Part Catalog

Description: 2 F Sealed (BK)

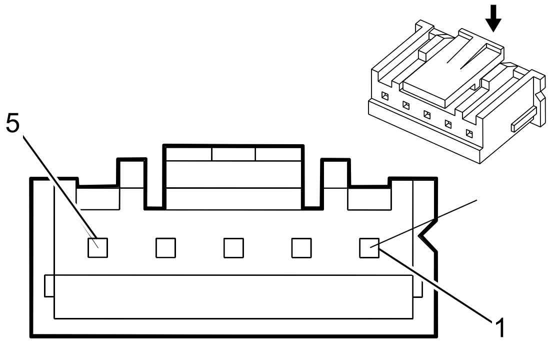
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E4H Headlamp – Right Low Beam

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD	312	Right Headlamp Low Beam Supply Voltage	I	-
2	0.5	BK	250	Ground	I	-

E4J Park Lamp - Left Front



Connector Part Information

Harness Type:

OEM Connector: PAP-05V-S

Service Connector: Service by Harness – See Part Catalog

Description: 5 F 050 Series (NA)

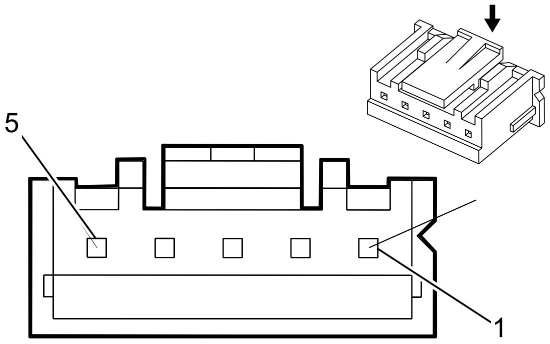
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E4J Park Lamp - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	-	Park Lamp LED +	I	Z88
2	0.5	RD	-	Park Lamp LED -	I	Z88
3	0.5	D-BU	-	Park Lamp CTN	I	Z88
4	0.5	D-GN	-	Park Lamp BIN	I	Z88
5	0.5	WH	-	Ground	I	Z88

E4K Park Lamp - Right Front



Connector Part Information

Harness Type:

OEM Connector: PAP-05V-S

Service Connector: Service by Harness – See Part Catalog

Description: 5 F 050 Series (NA)

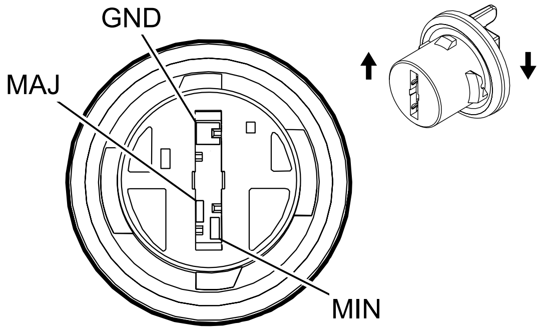
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E4K Park Lamp - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	-	Park Lamp LED +	I	Z88
2	0.5	RD	-	Park Lamp LED -	I	Z88
3	0.5	D-BU	-	Park Lamp CTN	I	Z88
4	0.5	D-GN	-	Park Lamp BIN	I	Z88
5	0.5	WH	-	Ground	I	Z88

E4N Park/Turn Signal Lamp – Left



Connector Part Information

Harness Type:

OEM Connector: EEM0383

Service Connector: Service by Harness – See Part Catalog

Description: 3 F Lamp Socket (BK)

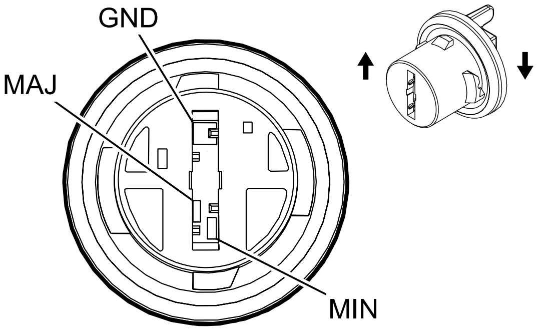
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E4N Park/Turn Signal Lamp – Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
GND	0.5	BK	150	Ground	I	Z88
MAJ	0.5	D-BU	1314	Left Front Turn Signal Lamp Supply Voltage	I	Z88
MIN	0.5	VT/GY	709	Left Park Lamp Supply Voltage	I	Z88

E4P Park/Turn Signal Lamp – Right



Connector Part Information

Harness Type:

OEM Connector: EEM0383

Service Connector: Service by Harness – See Part Catalog

Description: 3 F Lamp Socket (BK)

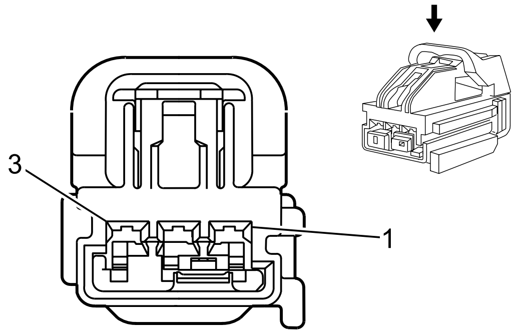
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E4P Park/Turn Signal Lamp – Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
GND	0.5	BK	250	Ground	I	Z88
MAJ	0.5	D-BU	1315	Right Front Turn Signal Lamp Supply Voltage	I	Z88
MIN	0.5	VT/GY	309	Right Park Lamp Supply Voltage	I	Z88

E6 Center High Mounted Stop Lamp



Connector Part Information

Harness Type: Headliner

OEM Connector: 10847008

Service Connector: 19149536

Description: 3-Way F 1.5 Kaizen Series (L-GY)

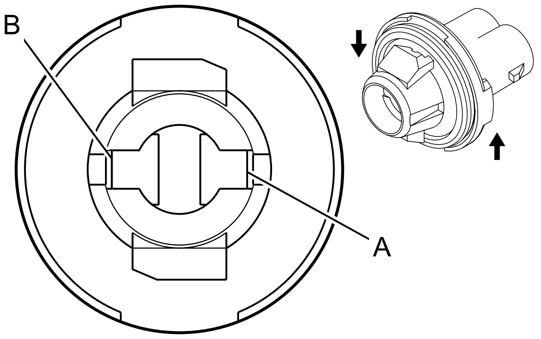
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	J-38125-11A	7116-4101-08	9	E	A
II	Not Available	J-35616-2A (GY)	J-38125-11A	7116-4100-08	9	E	C

E6 Center High Mounted Stop Lamp

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/VT	1430	Exterior Courtesy Lamp Supply Voltage	I	-
2	0.5	VT/GY	1054	Stop Lamp Supply Voltage	II	-
3	0.5	BK	1050	Ground	II	-

E7L License Plate Lamp - Left



Connector Part Information

Harness Type: Rear Bumper

OEM Connector: 15324946

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F Lamp Socket Wedge Base W2 (D-GY)

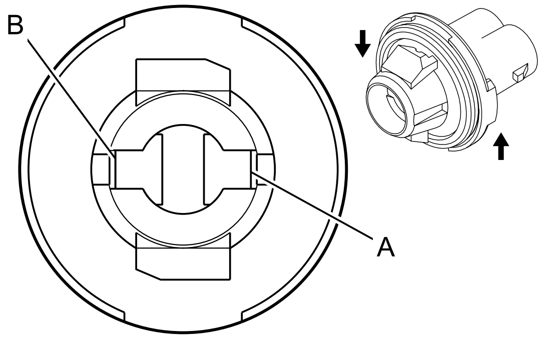
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	No Tool Required	12124471	5	2	3

E7L License Plate Lamp - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-GN/YE	6846	Rear License Lamp Supply Voltage	I	-
B	0.5	BK	1750	Ground	I	-

E7R License Plate Lamp - Right



Connector Part Information

Harness Type: Rear Bumper

OEM Connector: 15324946

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F Lamp Socket Wedge Base W2 (D-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	No Tool Required	No Tool Required	12124471	5	2	3

E7R License Plate Lamp - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-GN/YE	6846	Rear License Lamp Supply Voltage	I	-
B	0.5	BK	1750	Ground	I	-

E8YD Outside Rearview Mirror Courtesy Lamp - Driver

Connector Part Information

Harness Type:

OEM Connector: MHFC502W

Service Connector: Service by Harness – See Part Catalog

Description: 2 F (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E8YD Outside Rearview Mirror Courtesy Lamp - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/WH	5996	Driver Outside Rear View Mirror Puddle Lamp Supply Voltage	I	-
2	0.35	BK/WH	1150	Ground	I	-

E8YP Outside Rearview Mirror Courtesy Lamp - Passenger

Connector Part Information

Harness Type:

OEM Connector: MHFC502W

Service Connector: Service by Harness – See Part Catalog

Description: 2 F (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E8YP Outside Rearview Mirror Courtesy Lamp - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/WH	5996	Driver Outside Rear View Mirror Puddle Lamp Supply Voltage	I	-
2	0.35	BK/WH	1250	Ground	I	-

GRAPHIC
PENDING

Connector Part Information

Harness Type: Engine

OEM Connector: 7009-1338-02

Service Connector: Pending

Description: 1-Way Ring Terminal

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

E12A Glow Plug 1 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2	VT	1581	Glow Plug Supply Voltage (1)	I	LML

E12B Glow Plug 2 (LML)

GRAPHIC
PENDING

Connector Part Information

Harness Type: Engine

OEM Connector: 7009-1338-02

Service Connector: Pending

Description: 1-Way Ring Terminal

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

E12B Glow Plug 2 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2	VT/WH	1582	Glow Plug Supply Voltage (2)	I	LML

GRAPHIC
PENDING

Connector Part Information

Harness Type: Engine

OEM Connector: 7009-1338-02

Service Connector: Pending

Description: 1-Way Ring Terminal

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

E12C Glow Plug 3 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2	YE	1583	Glow Plug Supply Voltage (3)	I	LML

E12D Glow Plug 4 (LML)

GRAPHIC
PENDING

Connector Part Information

Harness Type: Engine
OEM Connector: 7009-1338-02
Service Connector: Pending
Description: 1-Way Ring Terminal

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

E12D Glow Plug 4 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2	WH/YE	1584	Glow Plug Supply Voltage (4)	I	LML

E12E Glow Plug 5 (LML)

GRAPHIC
PENDING

Connector Part Information

Harness Type: Engine

OEM Connector: 7009-1338-02

Service Connector: Pending

Description: 1-Way Ring Terminal

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

E12E Glow Plug 5 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2	GN	1585	Glow Plug Supply Voltage (5)	I	LML

E12F Glow Plug 6 (LML)

GRAPHIC
PENDING

Connector Part Information

Harness Type: Engine
OEM Connector: 7009-1338-02
Service Connector: Pending
Description: 1-Way Ring Terminal

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

E12F Glow Plug 6 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2	GN/WH	1586	Glow Plug Supply Voltage (6)	I	LML

GRAPHIC
PENDING

Connector Part Information

Harness Type: Engine

OEM Connector: 7009-1338-02

Service Connector: Pending

Description: 1-Way Ring Terminal

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

E12G Glow Plug 7 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2	PK	1587	Glow Plug Supply Voltage (7)	I	LML

E12H Glow Plug 8 (LML)

GRAPHIC
PENDING

Connector Part Information

Harness Type: Engine
OEM Connector: 7009-1338-02
Service Connector: Pending
Description: 1-Way Ring Terminal

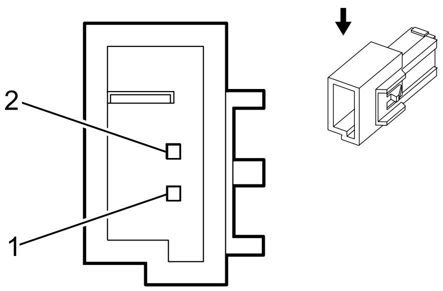
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

E12H Glow Plug 8 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2	PK/WH	1588	Glow Plug Supply Voltage (8)	I	LML

E14B Seat Heating Element - Driver Cushion



Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: AIT2WSB-02A-1AK

Service Connector: 19260825

Description: 2-Way M 0.64 Series (BK)

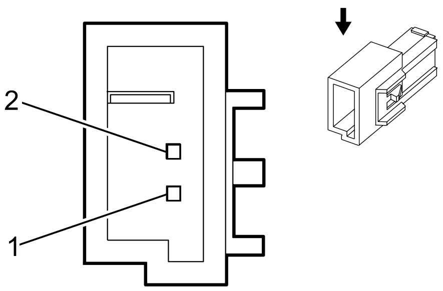
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E14B Seat Heating Element - Driver Cushion

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/VT	2077	Driver Heated Seat Element Supply Voltage	I	-
2	0.75	BK	1150	Ground	I	-

E14D Seat Heating Element - Passenger Cushion



Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: AIT2WSB-02A-1AK

Service Connector: 19260825

Description: 2-Way M 0.64 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E14D Seat Heating Element - Passenger Cushion

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/L-BU	2479	Passenger Heated Seat Element Supply Voltage	I	-
2	0.75	BK	1250	Ground	I	-

E17D Outside Rearview Mirror Glass - Driver X1

Connector Part Information

Harness Type:

OEM Connector: MTF0F462

Service Connector: Service by Harness – See Part Catalog

Description: 1 F (NA)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E17D Outside Rearview Mirror Glass - Driver X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	2267	Mirror Heating Element Supply Voltage	I	-

E17D Outside Rearview Mirror Glass - Driver X2

Connector Part Information

Harness Type:

OEM Connector: MTF0F462

Service Connector: Service by Harness – See Part Catalog

Description: 1 F (NA)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E17D Outside Rearview Mirror Glass - Driver X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1150	Ground	I	-

E17D Outside Rearview Mirror Glass - Driver X3

Connector Part Information

Harness Type:

OEM Connector: 03-06-1044

Service Connector: Service by Harness – See Part Catalog

Description: 4 F (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E17D Outside Rearview Mirror Glass - Driver X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/BU	1314	Left Front Turn Signal Lamp Supply Voltage	I	-
2	0.35	BK/WH	1150	Ground	I	-
3	0.35	PK	1691	Automatic Day/Night Mirror Low Reference	I	-
4	0.35	GN/BK	1690	Automatic Day/Night Mirror Signal	I	-

E17P Outside Rearview Mirror Glass - Passenger X1

Connector Part Information

Harness Type:

OEM Connector: MTF0F462

Service Connector: Service by Harness – See Part Catalog

Description: 1 F (NA)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E17P Outside Rearview Mirror Glass - Passenger X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	2267	Mirror Heating Element Supply Voltage	I	-

E17P Outside Rearview Mirror Glass - Passenger X2

Connector Part Information

Harness Type:

OEM Connector: MTF0F462

Service Connector: Service by Harness – See Part Catalog

Description: 1 F (NA)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E17P Outside Rearview Mirror Glass - Passenger X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1250	Ground	I	-

E17P Outside Rearview Mirror Glass - Passenger X3

Connector Part Information

Harness Type:

OEM Connector: 03-06-1044

Service Connector: Service by Harness – See Part Catalog

Description: 4 F (BK)

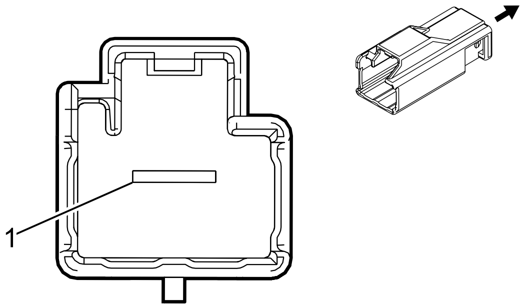
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E17P Outside Rearview Mirror Glass - Passenger X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/BU	1315	Right Front Turn Signal Lamp Supply Voltage	I	-
2	0.35	BK/WH	1250	Ground	I	-
3-4	-	-	-	Not Occupied	-	-

E18 Rear Defogger Grid



Connector Part Information

Harness Type: Body

OEM Connector: 13953570

Service Connector: Pending

Description: 1-Way M 6.3 Series (BK)

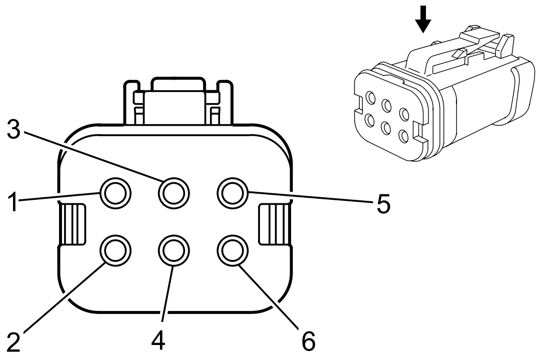
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

E18 Rear Defogger Grid

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BN/VT	293	Rear Defog Element Supply Voltage	I	-

E24 Intake Air Heater (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: DT16-6S-KP01

Service Connector: 13576409

Description: 6-Way F 2.8 Series, Sealed (GN)

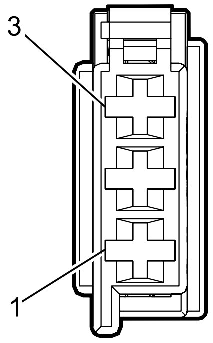
Terminal Part Information

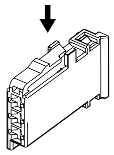
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

E24 Intake Air Heater (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	BK	2923	Intake Air Heater Temperature Signal	I	LML
2	0	OG/BK	2921	Intake Air Heater Switch On/Off Signal	I	LML
3	0	YE	2920	Intake Air Heater Heart Beat Signal	I	LML
4	0	D-GN	2924	Intake Air Heater Current Feedback Signal	I	LML
5	0		2925	Intake Air Heater Voltage Feedback Signal	I	LML
6	0	VT	2922	Intake Air Heater Digital Response Signal	I	LML

E28 Center Console Compartment Lamp





Connector Part Information

Harness Type: Floor Console

OEM Connector: 10865339

Service Connector: 93186706

Description: 3-Way F 1.6 Micro Timer Series, Sealed (BK)

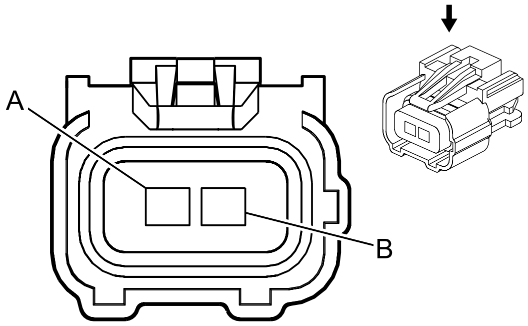
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A

E28 Center Console Compartment Lamp

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BN	6815	Inadvertent Power Control	I	-
2	0.5	BK	1050	Ground	I	-
3	-	-	-	Not Occupied	-	-

E29LF Fog Lamp - Left Front



Connector Part Information

Harness Type: Front Bumper

OEM Connector: 15489797

Service Connector: 19168034

Description: 2-Way F 150 Series (BK)

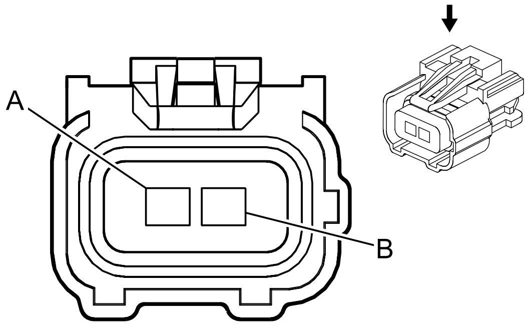
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-29	15496531	8	E	A

E29LF Fog Lamp - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BN/VT	2234	Front Fog Lamp Supply Voltage	I	-
B	0.5	BK	150	Ground	I	-

E29RF Fog Lamp - Right Front



Connector Part Information

Harness Type: Front Bumper

OEM Connector: 15489797

Service Connector: 19168034

Description: 2-Way F 150 Series (BK)

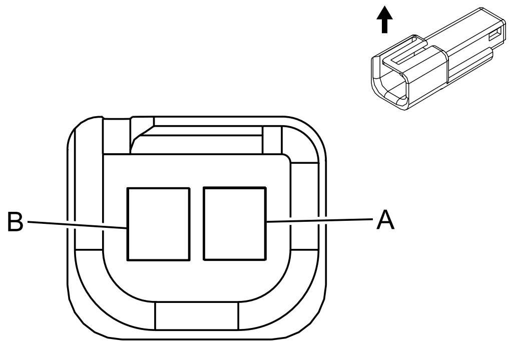
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-29	15496531	8	E	A

E29RF Fog Lamp - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BN/VT	2234	Front Fog Lamp Supply Voltage	I	-
B	0.5	BK	250	Ground	I	-

E31L Sunshade Mirror Lamp - Left



Connector Part Information

Harness Type: Headliner

OEM Connector: 12047663

Service Connector: 13584278

Description: 2-Way M 150 Metri Pack Series (BK)

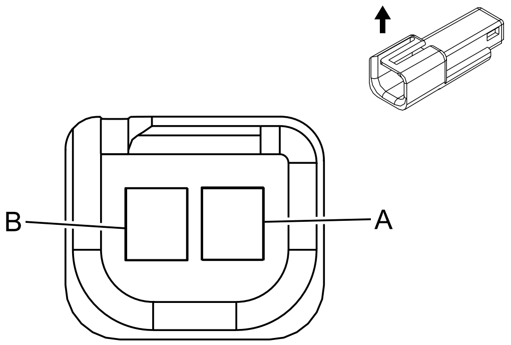
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-3 (GY)	J-38125-12A	12047581	2	E	C

E31L Sunshade Mirror Lamp - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BN	6815	Inadvertent Power Control	I	-
B	0.5	BK	1050	Ground	I	-

E31R Sunshade Mirror Lamp - Right



Connector Part Information

Harness Type: Headliner

OEM Connector: 12047663

Service Connector: 13584278

Description: 2-Way M 150 Metri Pack Series (BK)

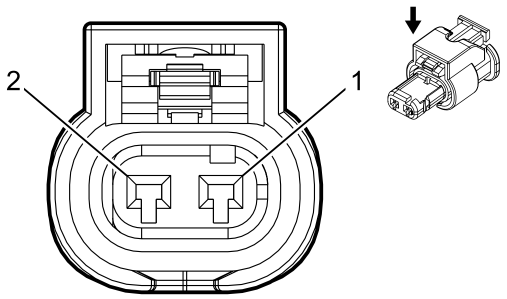
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-3 (GY)	J-38125-12A	12047581	2	E	C

E31R Sunshade Mirror Lamp - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BN	6815	Inadvertent Power Control	I	-
B	0.5	BK	1050	Ground	I	-

E33L Cargo Lamp - Left



Connector Part Information

Harness Type:

OEM Connector: 13580179

Service Connector: 13587957

Description: 2 F 1.2 MCP Series, Sealed (BK)

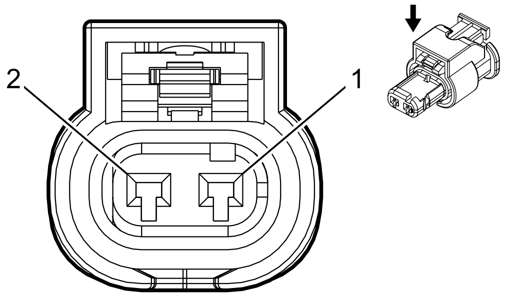
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E33L Cargo Lamp - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD	1430	Exterior Courtesy Lamp Supply Voltage	I	-
2	0.5	BK	1750	Ground	I	-

E33R Cargo Lamp - Right



Connector Part Information

Harness Type:

OEM Connector: 13580179

Service Connector: 13587957

Description: 2 F 1.2 MCP Series, Sealed (BK)

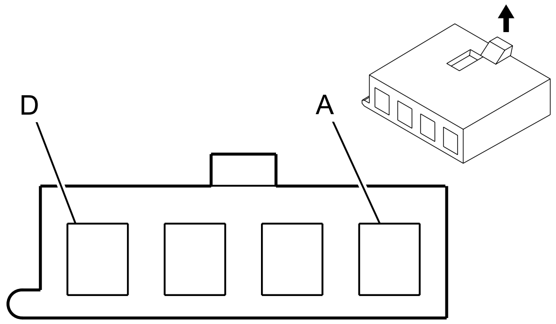
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

E33R Cargo Lamp - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD	1430	Exterior Courtesy Lamp Supply Voltage	I	-
2	0.5	BK	1750	Ground	I	-

E37B Dome/Reading Lamps - 2nd Row



Connector Part Information

Harness Type: Headliner

OEM Connector: 12092162

Service Connector: 15306021

Description: 4-Way F 150 Metri Pack Series (BK)

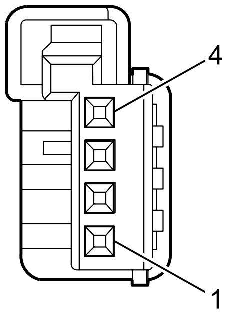
Terminal Part Information

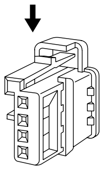
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-12A	15326030	2	E	C

E37B Dome/Reading Lamps - 2nd Row

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BN	6815	Inadvertent Power Control	I	-
B	0.5	BK	1050	Ground	I	-
C	0.5	GY	157	Interior Lamp Control	I	-
D	0.5	YE	6817	LED Backlight Dimming Control	I	-

E37EL Dome/Reading Lamps - Front Overhead Console Left





Connector Part Information

Harness Type: Overhead Console

OEM Connector: 10812166

Service Connector: 19119349

Description: 4-Way F 0.64 Micro Quadlock Series (GY)

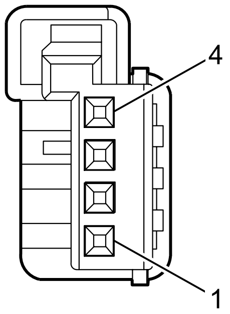
Terminal Part Information

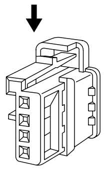
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	H	H
II	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	J	J

E37EL Dome/Reading Lamps - Front Overhead Console Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	-
2	0.5	WH/BN	6815	Inadvertent Power Control	II	-
3	0.5	GY	157	Interior Lamp Control	II	-
4	0.5	BK	1050	Ground	II	-

E37ER Dome/Reading Lamps - Front Overhead Console Right





Connector Part Information

Harness Type: Overhead Console

OEM Connector: 10812166

Service Connector: 19119349

Description: 4-Way F 0.64 Micro Quadlock Series (GY)

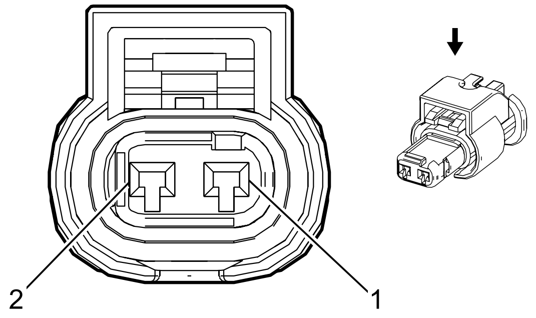
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	H	H
II	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	J	J

E37ER Dome/Reading Lamps - Front Overhead Console Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	-
2	0.5	WH/BN	6815	Inadvertent Power Control	II	-
3	0.5	GY	157	Interior Lamp Control	II	-
4	0.5	BK	1050	Ground	II	-

F101 Passenger Instrument Panel Air Bag



Connector Part Information

Harness Type: Passenger Air Bag Jumper

OEM Connector: 13863037

Service Connector: 13587886

Description: 2-Way F 1.2 MCP Series, Sealed (YE with BK Inner Connector)

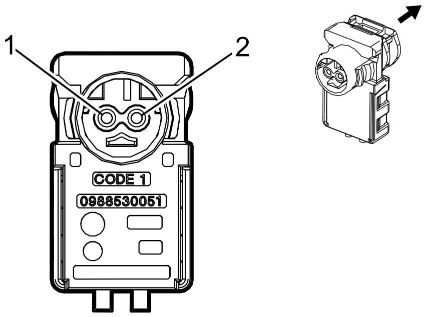
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-16 (L-GN)	J-38125-22	Not Available	Not Available	Not Available	Not Available

F101 Passenger Instrument Panel Air Bag

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE/OG	3025	Passenger IP Module Stage 1 High Control	I	-
2	0.35	OG/WH	3024	Passenger IP Module Stage 1 Low Control	I	-

F112D Seat Belt Retractor Pretensioner - Driver



Connector Part Information

Harness Type: Body

OEM Connector: 13973027

Service Connector: Pending

Description: 2-Way F AK 2 Series (BK with YE cover)

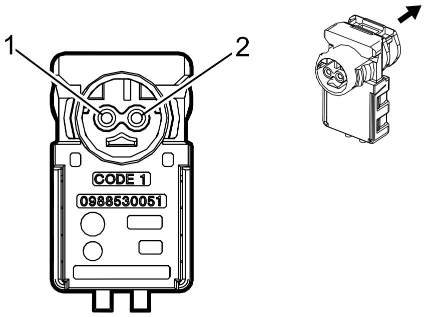
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

F112D Seat Belt Retractor Pretensioner - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD	3477	Driver Seat Belt Retractor Pretensioner High Control	I	-
2	0.5	GY	3478	Driver Seat Belt Retractor Pretensioner Low Control	I	-

F112P Seat Belt Retractor Pretensioner - Passenger



Connector Part Information

Harness Type: Body

OEM Connector: 13973026

Service Connector: Pending

Description: 2-Way F AK 2 Series

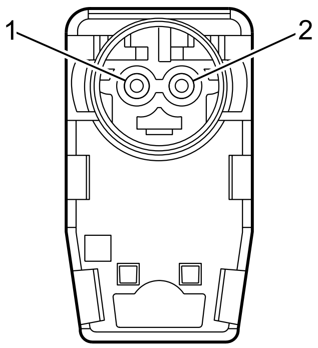
Terminal Part Information

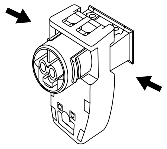
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

F112P Seat Belt Retractor Pretensioner - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN	3475	Passenger Seat Belt Retractor Pretensioner High Control	I	-
2	0.5	WH	3476	Passenger Seat Belt Retractor Pretensioner Low Control	I	-

F113D Seat Belt Anchor Pretensioner - Driver





Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: PPI0001721

Service Connector: 19180245

Description: 2-Way F 0.64 Series, Sealed (BK with YE cover)

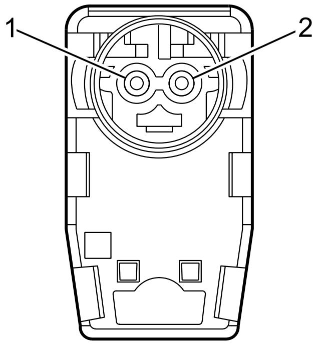
Terminal Part Information

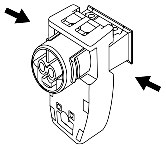
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

F113D Seat Belt Anchor Pretensioner - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/YE	3481	Driver Seat Belt Anchor Pretensioner High Control	I	-
2	0.5	YE/OG	3482	Driver Seat Belt Anchor Pretensioner Low Control	I	-

F113P Seat Belt Anchor Pretensioner - Passenger





Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: PPI0001721

Service Connector: 19180245

Description: 2-Way F 0.64 Series, Sealed (BK with YE cover)

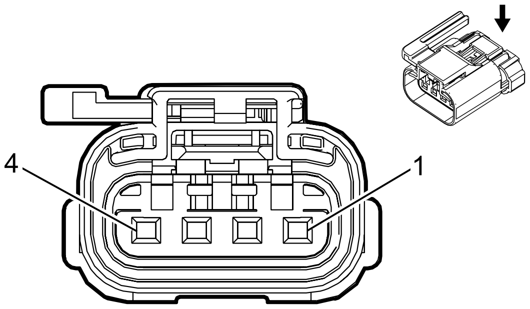
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

F113P Seat Belt Anchor Pretensioner - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/BN	3479	Passenger Seat Belt Anchor Pretensioner High Control	I	-
2	0.5	GY/OG	3480	Passenger Seat Belt Anchor Pretensioner Low Control	I	-

G10L Cooling Fan Motor - Left



Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13949247

Service Connector: 19301718

Description: 4-Way F 2.8 APEX Series, Sealed (BK)

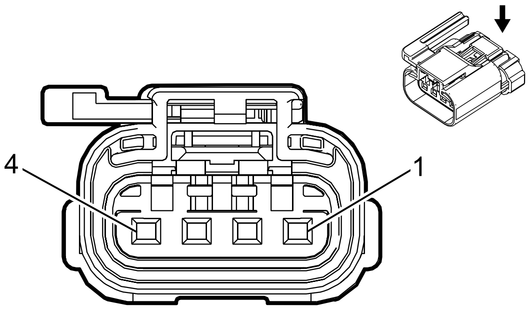
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-35 (VT)	J-38125-12A	54001800	22	2	4

G10L Cooling Fan Motor - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	4	BK	150	Ground	I	-
2	4	RD/WH	342	Battery Positive Voltage	I	-
3	-	-	-	Not Occupied	-	-
4	0.5	BN/YE	473	High Speed Cooling Fan Relay Control	II	-

G10R Cooling Fan Motor - Right



Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13949247

Service Connector: 19301718

Description: 4-Way F 2.8 APEX Series, Sealed (BK)

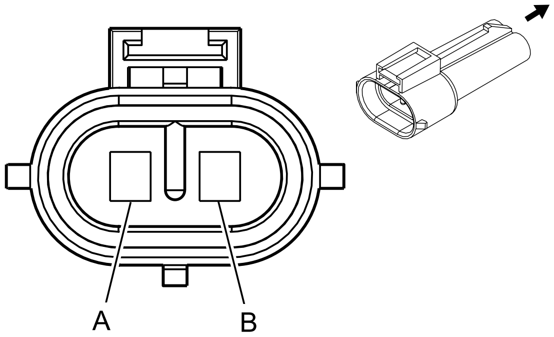
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-35 (VT)	J-38125-12A	54001800	22	2	4

G10R Cooling Fan Motor - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	4	BK	250	Ground	I	-
2	4	RD/GY	642	Battery Positive Voltage	I	-
3	-	-	-	Not Occupied	-	-
4	0.5	BN/YE	473	High Speed Cooling Fan Relay Control	II	-

G12 Fuel Pump



Connector Part Information

Harness Type: Chassis

OEM Connector: 12059450

Service Connector: 13580868

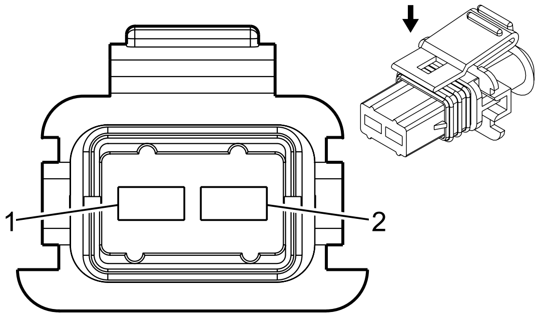
Description: 2-Way M 280 Metri Pack Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-5 (PU)	J-38125-11A	12129497	1	2	5
II	Pending	J-35616-5 (PU)	J-38125-11A	12129497	1	F	5

G12 Fuel Pump

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	GY	120	Fuel Pump Supply Voltage	I	-
B	3	BK	2150	Ground	II	-



Connector Part Information

Harness Type: Engine

OEM Connector: 12186308

Service Connector: 13585849

Description: 2-Way F Junior Power Timer Series, Sealed (BK)

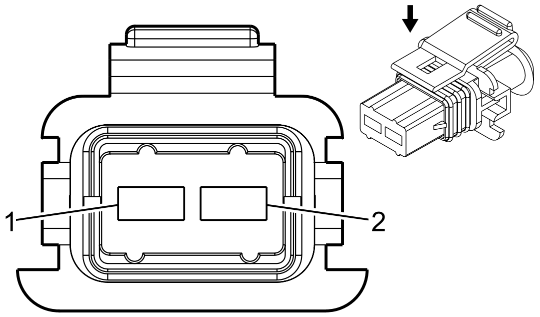
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575415	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1

G13E Generator - Auxiliary

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN	25	Charge Indicator Control	I	-
2	-	-	-	Not Occupied	-	-

G13E Generator - Auxiliary X1



Connector Part Information

Harness Type: Engine

OEM Connector: 12186308

Service Connector: 13585849

Description: 2-Way F Junior Power Timer Series, Sealed (BK)

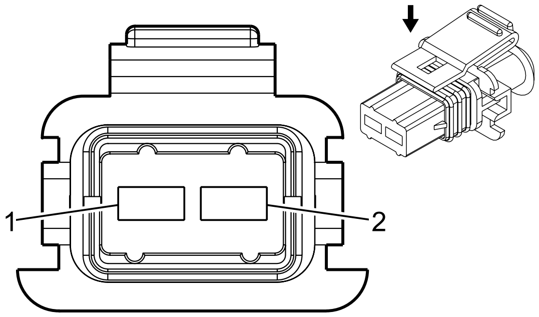
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575415	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1

G13E Generator - Auxiliary X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN	25	Charge Indicator Control	I	-
2	-	-	-	Not Occupied	-	-

G13 Generator



Connector Part Information

Harness Type: Engine

OEM Connector: 12186308

Service Connector: 13585849

Description: 2-Way F Junior Power Timer Series, Sealed (BK)

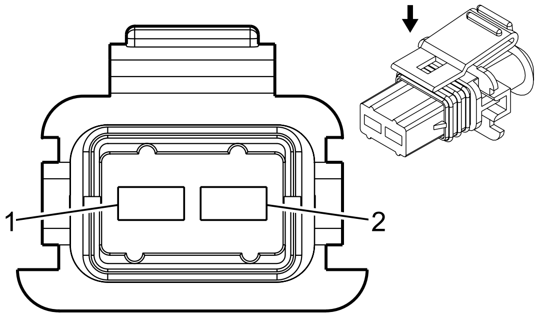
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1
II	13575415	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1
III	13575389	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1

G13 Generator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5 0.75	BN BN	25 25	Charge Indicator Control Charge Indicator Control	I	-
2	0.5 0.75	GY GY	23 23	Generator Field Duty Cycle Signal Generator Field Duty Cycle Signal	I	-

G13 Generator X2



Connector Part Information

Harness Type: Engine

OEM Connector: 12186308

Service Connector: 13585849

Description: 2-Way F Junior Power Timer Series, Sealed (BK)

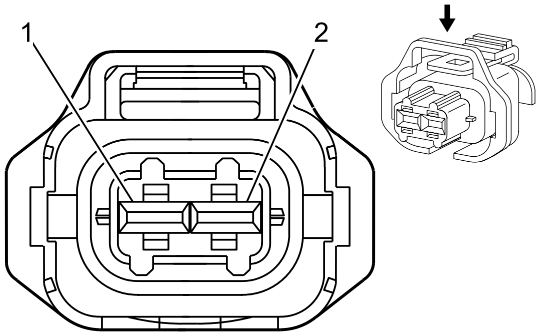
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575389	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1
II	13575415	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1

G13 Generator X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	25	Charge Indicator Control	I	-
	0.75	BN	25	Charge Indicator Control		
2	0.5	GY	23	Generator Field Duty Cycle Signal	I	-
	0.75	GY	23	Generator Field Duty Cycle Signal		

G18 High Pressure Fuel Pump



Connector Part Information

Harness Type:

OEM Connector: 1928403874

Service Connector: 88988963

Description: 2 F Kompakt 2.8 Series, Sealed (BK)

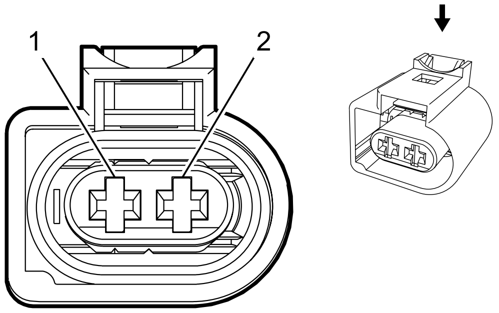
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

G18 High Pressure Fuel Pump

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	7301	High Pressure Fuel Pump Actuator High - Control	I	-
2	0.5	VT/BK	7300	High Pressure Fuel Pump Actuator Low - Control	I	-

G24 Windshield Washer Pump



Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 10863916

Service Connector: 13576532

Description: 2-Way F 2.8 MDK5 Series, Sealed (BK)

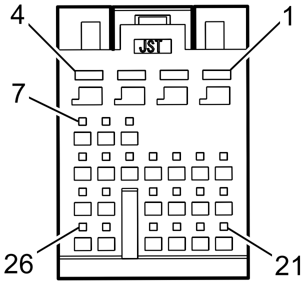
Terminal Part Information

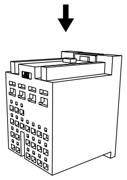
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-557	1-968857-3	7	Not Available	Not Available

G24 Windshield Washer Pump

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY/VT	228	Windshield Washer Pump Control	I	-
2	0.75	BK	150	Ground	I	-

K9 Body Control Module X1





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13943345

Service Connector: Pending

Description: 26-Way F 0.64, 2.8 Series (NA)

Terminal Part Information

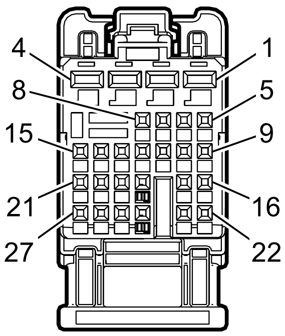
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	20	E	A
II	Pending	J-35616-64B (L-BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
III	Pending	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	20	C	A

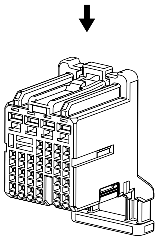
K9 Body Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	1850	Ground	I	-
2	0.75	RD/D-BU	2540	Battery Positive Voltage	I	-
3	1	RD/GY	2140	Battery Positive Voltage	III	-
4	0.5	RD/BN	2240	Battery Positive Voltage	I	-
5	0.5	WH	6816	Indicator Dimming Control	II	-
6	-	-	-	Not Occupied	-	-
7	0.35	BK/YE	5005	Instrument Panel Lamp Dimmer Switch Low Reference	II	-
8-9	-	-	-	Not Occupied	-	-
10	0.5	D-BU/VT	1134	Park Brake Switch Signal	II	-
11	0.35	L-GN/BN	306	Headlamp Switch Headlamps Off Signal Control	II	-
12	-	-	-	Not Occupied	-	-
13	0.35	D-BU/RD	1688	5 Volt Reference	II	-
14	0.35	GY/L-GN	328	Interior Lamp Defeat Switch Signal	II	-

15	0.35	D-BU/GY	192	Front Fog Lamp Switch Signal	II	-
16	0.35	WH/VT	103	Headlamp Switch On Signal	II	-
17-18	-	-	-	Not Occupied	-	-
19	0.35	BK/L-GN	552	Sensor Low Reference	II	-
20	-	-	-	Not Occupied	-	-
21	0.35	GY	728	Security Indicator Control	II	-
22	0.35	L-GN/GY	13	Headlamp Switch Park Lamp Signal	II	-
23	0.5	VT/L-GN	7558	LED Ambient Lighting Control 2	II	-
24	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
25	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
26	0.35	D-BU/WH	3275	Remote Function Actuator Receive Signal	II	-

K9 Body Control Module X2





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13943361

Service Connector: 13576637

Description: 27-Way F 0.64, 2.8 Series (L-BU)

Terminal Part Information

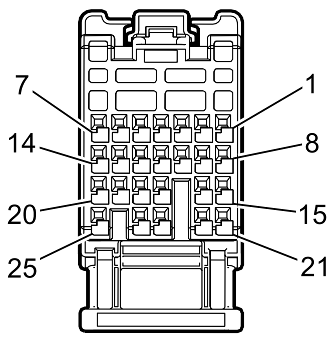
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	20	E	A
II	Pending	J-35616-64B (L-BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available

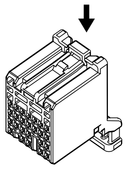
K9 Body Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/WH	2740	Battery Positive Voltage	I	-
2	0.75	BK	1850	Ground	I	-
3	0.5	RD/BN	2940	Battery Positive Voltage	I	-
4	0.75	RD/VT	4040	Battery Positive Voltage	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	GY	5697	Child Lockout Indicator	II	-
7	0.35	WH/L-GN	526	Stop Lamp Switch Signal	II	-
8	0.5	YE	6817	LED Backlight Dimming Control	II	-
9	0.35	YE/GY	44	Instrument Panel Lamp Dimmer Switch Signal	II	-
10	0.35	WH/D-BU	278	Ambient Light Sensor Signal	II	-
11-12	-	-	-	Not Occupied	-	-
13	0.35	GY/RD	598	5 Volt Reference	II	-
14	0.35	D-BU/VT	1788	Traction Control Switch Signal (1)	II	-
15	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	II	-

16	0.35	GY	3273	Remote Function Actuator Return	II	-
17	-	-	-	Not Occupied	-	-
18	0.5	GY	158	Cargo Lamp Switch Signal	II	-
19	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	II	-
20	0.5	WH/D-BU	3691	Trailer Brake Apply Signal	II	-
21	0.5	L-GN/GY	6135	Linear Interconnect Network Bus 4	II	-
22-24	-	-	-	Not Occupied	-	-
25	0.35	GY/WH	3272	Remote Function Actuator Supply Voltage	II	-
26	0.35	L-GN/WH	111	Hazard Switch Signal	II	-
27	0.35	YE/L-GN	3274	Remote Function Actuator Transmit Signal	II	-

K9 Body Control Module X3





Connector Part Information

Harness Type:

OEM Connector: HATTPB-25-3C-LM

Service Connector: Service by Harness - See Part Catalog

Description: 25 F 0.64 Series (GN)

Terminal Part Information

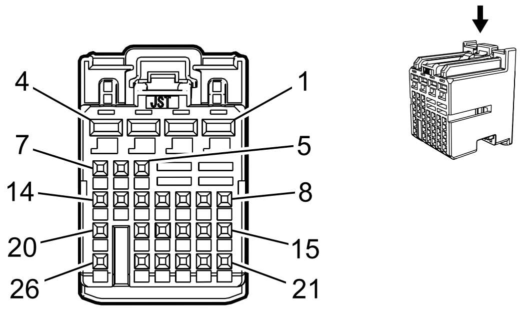
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K9 Body Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/GY	3277	Vehicle Anti-Theft System Immobilizer Return	I	-
2	0.5	GN/VT	7533	Linear Interconnect Network Bus 11	I	-
3	0.5	GY/BK	3276	Vehicle Anti-Theft System Immobilizer Supply Voltage	I	-
4	0.5	WH/RD	1444	12 Volt Reference	I	-
5	0.5	VT/YE	4	Accessory Voltage	I	-
6	0.5	VT/BK	3	Run/Crank Ignition 1 Voltage	I	-
7-8	-	-	-	Not Occupied	-	-
9	0.5	BN/GN	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	-
10	0.5	BK/GY	6009	Low Reference	I	-
11	0.5	WH	524	Headlamp Dimmer Switch High Beam Signal	I	-
12	0.5	WH/GN	663	Hazard Switch Left Turn Signal	I	-
13	0.5	YE/BU	1714	Windshield Wiper Switch Low Signal	I	-
14	0.5	BU/GY	553	Shift Select Switch Performance Signal	I	-
15	0.5	WH/VT	1020	Off/Run/Crank Voltage	I	-
16	0.5	GY/GN	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	-

17	0.5	YE/BN	307	Headlamp Switch Flash To Pass Signal	I	-
18	0.5	GN/WH	3287	Horn Switch Signal	I	-
19	0.5	OG	7527	Linear Interconnect Network Bus 5	I	-
20	0.5	GY	1715	Windshield Wiper Switch High Signal	I	-
21	0.5	VT/YE	5526	Tap Up/Tap Down Switch Signal	I	-
22	0.5	WH/BK	1073	Ignition Key Resistor Signal	I	-
23	0.5	GY/YE	7595	Auto Wiper On Signal	I	-
24	0.5	VT/BU	664	Hazard Switch Right Turn Signal	I	-
25	0.5	WH/BK	94	Windshield Washer Switch Signal	I	-

K9 Body Control Module X4



Connector Part Information

Harness Type: Body

OEM Connector: 13962485

Service Connector: 13587579

Description: 26-Way F 0.64, 2.8 Series (BK)

Terminal Part Information

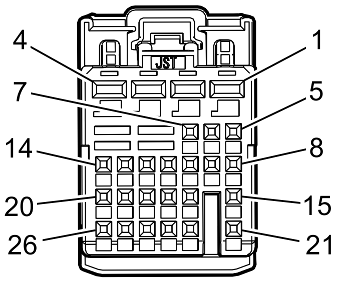
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	20	E	A
II	Pending	J-35616-64B (L-BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available

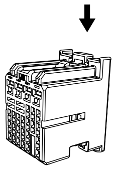
K9 Body Control Module X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE	712	Left Headlamp Low Beam Supply Voltage	I	-
2	0.75	YE	312	Right Headlamp Low Beam Supply Voltage	I	-
3	0.75	L-GN/VT	1315	Right Front Turn Signal Lamp Supply Voltage	I	-
4	0.5	BN/L-GN	19	Right Rear Stop/Turn Lamp Supply Voltage	I	-
5-6	-	-	-	Not Occupied	-	-
7	0.75	GY/D-BU	7538	Left Front DRL Supply Voltage	II	-
8-10	-	-	-	Not Occupied	-	-
11	0.5	VT/WH	5065	Stop Lamp Relay Coil Supply Voltage	II	-
12	0.35	GY/VT	755	RAP Relay Coil Control	II	-
13	0.5	L-GN/YE	6846	Rear License Lamp Supply Voltage	II	-
14	0.35	BN/GY	2268	Windshield Washer Relay Control	II	-
15	0.35	L-GN/VT	5199	Run/Crank Relay Coil Control	II	-
16	0.35	GY	91	Windshield Wiper Motor Relay Coil Supply Voltage	II	-
17	0.5	BN/L-GN	196	Windshield Wiper Motor Park Switch Signal	II	-

18	0.35	WH/YE	5075	Current Sensor Signal	II	-
19	0.35	D-BU/YE	6844	ABS/TCS Hill Descent Control Switch Signal	II	-
20	0.75	RD/YE	2340	Battery Positive Voltage	II	-
21	0.35	D-BU/VT	5076	Current Sensor Supply Voltage	II	-
22	0.35	VT/YE	5985	Accessory Wakeup Serial Data	II	-
23	0.5	WH/D-BU	5986	Serial Data Communication Enable	II	-
24	0.5	BN/L-GN	109	Hood Ajar Switch Signal	II	-
25	0.5	L-GN/YE	2081	Exhaust Brake Switch Control	II	-
26	0.75	BK/WH	451	Signal Ground	II	-

K9 Body Control Module X5





Connector Part Information

Harness Type: Body

OEM Connector: 13962299

Service Connector: 13587577

Description: 26-Way F 0.64, 2.8 Series (BN)

Terminal Part Information

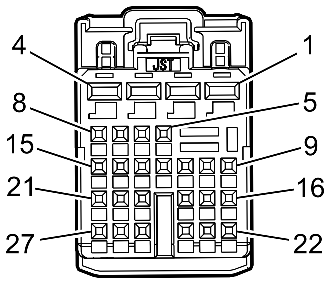
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	20	E	A
II	Pending	J-35616-64B (L-BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available

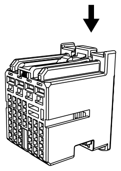
K9 Body Control Module X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/D-BU	18	Left Rear Stop/Turn Lamp Supply Voltage	I	-
2	0.75	D-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage	I	-
3	0.75	RD/L-GN	5140	Battery Positive Voltage	I	-
4	0.75	RD/WH	3440	Battery Positive Voltage	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	BK/VT	5077	Current Sensor Low Reference	II	-
7	0.75	D-BU/BN	7539	Right Front DRL Supply Voltage	II	-
8	0.35	D-BU/WH	5186	Left Trailer Turn Signal Lamp	II	-
9	-	-	-	Not Occupied	-	-
10	0.5	BN/WH	1317	Fog Lamp Relay Control	II	-
11	-	-	-	Not Occupied	-	-
12	0.35	WH/D-BU	6311	Cruise/ETC/TCC Brake Signal	II	-
13	-	-	-	Not Occupied	-	-
14	0.5	VT/BN	300	Run Ignition Voltage	II	-

15	0.35	L-GN/WH	3438	Exhaust Brake Switch Signal	II	-
16	0.35	VT/YE	3267	Child Security Lock Relay Control	II	-
17	0.35	YE/GY	5187	Right Trailer Turn Signal Lamp	II	-
18	0.35	BN/VT	1969	Headlamp High Beam Relay Control	II	-
19	0.35	BN/WH	28	Horn Relay Control	II	-
20-21	-	-	-	Not Occupied	-	-
22	0.35	D-BU	45	Park Lamp Relay Control	II	-
23	0.35	YE	6812	Out of Park Signal	II	-
24	0.35	WH/VT	860	Front Windshield Wiper Switch High Signal	II	-
25	-	-	-	Not Occupied	-	-
26	0.35	D-BU/BN	38	Backup Lamp Relay Control	II	-

K9 Body Control Module X6





Connector Part Information

Harness Type: Body

OEM Connector: 13962300

Service Connector: 13587576

Description: 27-Way F 0.64, 2.8 Series (L-PU)

Terminal Part Information

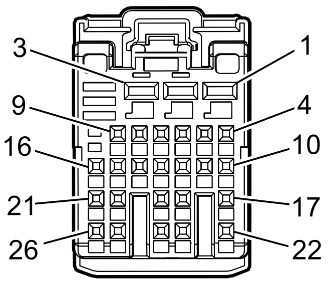
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	20	C	A
II	Pending	J-35616-64B (L-BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
III	Pending	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	20	E	A

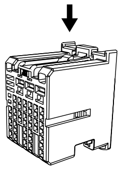
K9 Body Control Module X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	D-BU/WH	195	Door Lock Control	I	-
2	1.5	GY/L-GN	3271	Door Lock Control (2)	I	-
3	1.5	BK	1850	Ground	I	-
4	1.5 0.75	BN/YE BN/YE	294 294	Door Lock Actuator Unlock Control Door Lock Actuator Unlock Control	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	D-BU/VT	1124	Door Lock Key Switch Unlock Signal	II	-
7	-	-	-	Not Occupied	-	-
8	0.35	VT/WH	5908	Passenger Seat Vent Motor Control (1)	II	-
9	0.5	L-GN/D-BU	6133	Linear Interconnect Network Bus 2	II	-
10	0.5	L-GN/YE	6134	Linear Interconnect Network Bus 3	II	-
11-16	-	-	-	Not Occupied	-	-
17	0.35	L-GN/VT	5906	Driver Seat Vent Motor Control (1)	II	-
18-20	-	-	-	Not Occupied	-	-

18-20	-	-	-	Not Occupied	-	-
21	0.35	WH/VT	3270	Driver Door Lock Motor Status	II	-
22-23	-	-	-	Not Occupied	-	-
24	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
25	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
26	0.5	BN/WH	1429	Standing Lamp Relay Control	II	-
27	-	-	-	Not Occupied	-	-

K9 Body Control Module X7





Connector Part Information

Harness Type: Body

OEM Connector: 13962301

Service Connector: 13587578

Description: 26-Way F 0.64, 2.8 Series (L-GY)

Terminal Part Information

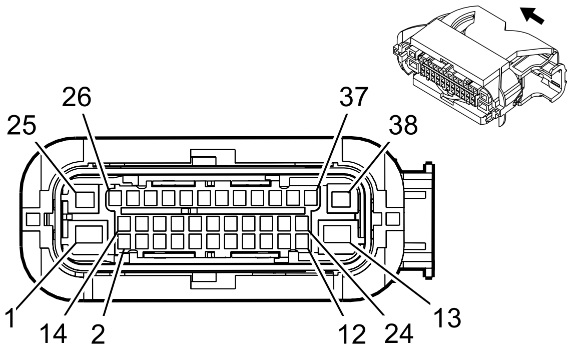
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-12A	SNAC-A061T-M2.8	20	E	A
II	Pending	J-35616-64B (L-BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available

K9 Body Control Module X7

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY	157	Interior Lamp Control	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	WH/BN	6815	Inadvertent Power Control	I	-
4-5	-	-	-	Not Occupied	-	-
6	0.5	YE/WH	816	Brake Transmission Shift Interlock Solenoid Control	II	-
7	-	-	-	Not Occupied	-	-
8	0.5	GY/L-GN	5996	Driver Outside Rear View Mirror Puddle Lamp Supply Voltage	II	-
9	0.5	YE	6817	LED Backlight Dimming Control	II	-
10-11	-	-	-	Not Occupied	-	-
12	0.35	BN/WH	3269	Child Security Lock Motor Status Signal Left Rear	II	-
13	-	-	-	Not Occupied	-	-
14	0.35	GY	746	Right Front Door Ajar Switch Signal	II	-
15	0.35	YE/BN	3265	Child Security Lock Switch Signal	II	-
16	0.5	WH/D-BU	3691	Trailer Brake Apply Signal	II	-

17	-	-	-	Not Occupied	-	-
18	0.35	GY/BK	3268	Child Security Lock Motor Status Signal Right Rear	II	-
19	0.35	GY	156	Courtesy Lamp Switch Signal	II	-
20	-	-	-	Not Occupied	-	-
21	0.35	YE/VT	244	Passenger Door Lock Switch Lock Control	II	-
22	0.35	WH/YE	7557	LED Ambient Lighting Control 1	II	-
23	0.5	L-GN	5060	Low Speed GMLAN Serial Data	II	-
24	0.35	BN/VT	245	Passenger Door Lock Switch Unlock Control	II	-
25	0.35	GY	745	Left Front Door Ajar Switch Signal	II	-
26	-	-	-	Not Occupied	-	-

K17 Electronic Brake Control Module



Connector Part Information

Harness Type: Chassis

OEM Connector: 13964768

Service Connector: 19301816

Description: 38-Way F 1.5, 2.8, 4.8 MCP Series, Sealed

Terminal Part Information

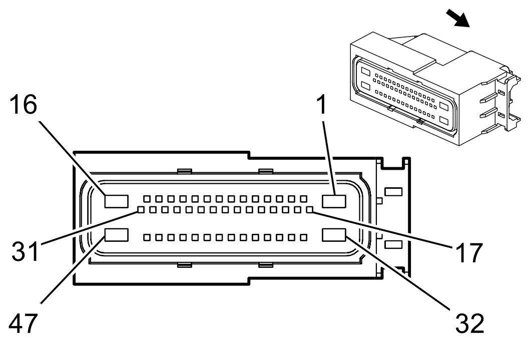
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-16 (L-GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
III	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
IV	Pending	J-35616-42 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

K17 Electronic Brake Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	5	RD/YE	442	Battery Positive Voltage	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	GY/YE	7128	Wheel Speed Sensor Supply Voltage Right Rear	II	-
4	0.5	VT	882	Wheel Speed Sensor Signal Right Rear	II	-
5	0.5	D-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	II	-
6	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	II	-
7	-	-	-	Not Occupied	-	-
8	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
9	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
10	0.5	GY/BN	7065	Wheel Speed Sensor Supply Voltage Right Front	II	-
11	0.5	YE	872	Wheel Speed Sensor Signal Right Front	II	-
12	-	-	-	Not Occupied	-	-

13	5	BK	2150	Ground	I	-
14-16	-	-	-	Not Occupied	-	-
17	0.5	L-GN/BN	2087	Combined Vehicle Inertial Sensor Supply Voltage	III	-
18	0.5	L-GN/GY	333	Brake Fluid Level Sensor Signal	II	-
19	-	-	-	Not Occupied	-	-
20	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
21	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
22-24	-	-	-	Not Occupied	-	-
25	2.5	RD/VT	1640	Battery Positive Voltage	IV	-
26-27	-	-	-	Not Occupied	-	-
28	0.5	WH/D-BU	5986	Serial Data Communication Enable	II	-
29	0.5	GY/BK	7127	Wheel Speed Sensor Supply Voltage Left Rear	II	-
30	0.5	D-BU	884	Wheel Speed Sensor Signal Left Rear	II	-
31-32	-	-	-	Not Occupied	-	-
33	0.5	L-GN/GY	817	Vehicle Speed Signal	II	-
34	-	-	-	Not Occupied	-	-
35	0.5	GY/WH	7064	Wheel Speed Sensor Supply Voltage Left Front	II	-
36	0.5	GY	830	Wheel Speed Sensor Signal Left Front	II	-
37	-	-	-	Not Occupied	-	-
38	2.5	BK	2150	Ground	IV	-

K19 Suspension Control Module



Connector Part Information

Harness Type: Chassis

OEM Connector: 15491306

Service Connector: 19168025

Description: 47-Way F 0.64, 6.3 Series, Sealed (BK)

Terminal Part Information

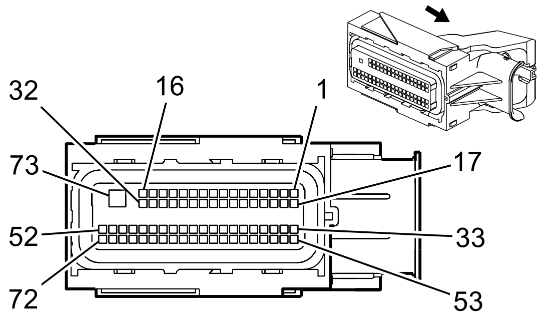
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13578883	J-35616-64B (L-BU)	J-38125-215A	SAITS-A03T-M064	14	9	9
II	13327187	J-35616-42 (RD)	J-38125-553	15476168	5	F	3
III	13579766	J-35616-64B (L-BU)	J-38125-215A	SAITS-A03T-M064	14	9	9
IV	13579755	J-35616-42 (RD)	J-38125-553	15476168	5	F	3

K19 Suspension Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.5	BK/L-GN	1209	Left Rear Strut Position Sensor Low Reference	I	-
3	0.5	YE/WH	1213	Right Front Strut Position Sensor Signal	I	-
4	-	-	-	Not Occupied	-	-
5	0.5	BK/YE	1215	Right Rear Strut Position Sensor Low Reference	I	-
6	0.5	BN/WH	1207	Left Front Strut Position Sensor Signal	I	-
7-11	-	-	-	Not Occupied	-	-
12	0.5	D-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
13	0.5	D-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
14	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
15	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
16	2	WH/D-BU	5986	Serial Data Communication Enable	II	-

17	0.5	L-GN/WH	1210	Left Rear Strut Position Sensor Signal	I	-
18	0.5	BK/GY	1212	Right Front Strut Position Sensor Low Reference	I	-
19	-	-	-	Not Occupied	-	-
20	0.5	L-GN/GY	1216	Right Rear Strut Position Sensor Signal	I	-
21	0.5	BK/D-BU	1206	Left Front Strut Position Sensor Low Reference	I	-
22-23	-	-	-	Not Occupied	-	-
24	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
25	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
26	-	-	-	Not Occupied	-	-
27	0.75	BN	1009	Right Front Strut Motor Decrease Damping Control	III	-
28	0.75	WH/BK	1006	Right Front Strut Motor Increase Damping Control	III	-
29	-	-	-	Not Occupied	-	-
30	0.75	WH/L-GN	1005	Left Front Strut Motor Decrease Damping Control	III	-
31	0.75	WH/GY	1448	Left Front Strut Motor Increase Damping	III	-
32	3	RD/L-GN	2440	Battery Positive Voltage	II	-
33	0.5	YE/RD	1208	Left Rear Strut Position Sensor Voltage Reference	I	-
34	0.5	BN/RD	1211	Right Front Strut Position Sensor Voltage Reference	I	-
35	0.5	L-GN/RD	1214	Right Rear Strut Position Sensor Voltage Reference	I	-
36	0.5	D-BU/RD	1205	Left Front Strut Position Sensor Voltage Reference	I	-
37-38	-	-	-	Not Occupied	-	-
39	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
40	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
41	-	-	-	Not Occupied	-	-
42	0.75	WH/BK	1013	Left Rear Strut Motor Decrease Damping Control	III	-
43	0.75	BN/VT	1010	Left Rear Strut Motor Increase Damping Control	III	-
44	-	-	-	Not Occupied	-	-
45	0.75	VT	1017	Right Rear Strut Motor Decrease Damping	III	-
46	0.75	YE	1014	Right Rear Strut Motor Increase Damping	III	-
47	4	BK	1750	Ground	IV	-

K20 Engine Control Module X1



Connector Part Information

Harness Type: Engine

OEM Connector: 13965965

Service Connector: Not Available

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with D-BU Terminal Position Assurance)

Harness Type: Engine

OEM Connector: 33113545

Service Connector: Not Available

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with D-BU Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575291	J-35616-35 (VT)	J-38125-11A	7116-4152-02	9	A	5

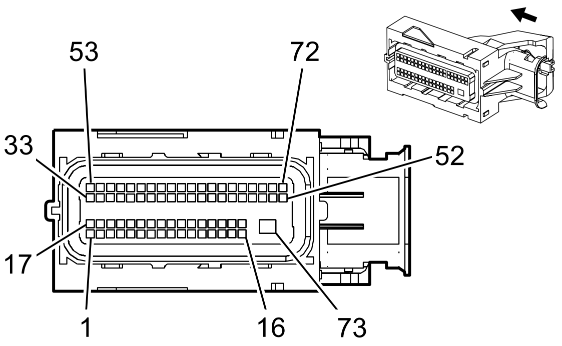
K20 Engine Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.5	D-BU/WH	7446	Fuel Line Pressure Sensor Signal	I	-
3	-	-	-	Not Occupied	-	-
4	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	I	-
5	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	I	-
6	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	I	-
7	-	-	-	Not Occupied	-	-
8	0.5	BK/YE	7447	Fuel Line Pressure Sensor Low Reference	I	-
9	0.5	D-BU/WH	890	Fuel Tank Pressure Sensor Signal	I	-
10	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5 Volt Reference	I	-
11-12	-	-	-	Not Occupied	-	-
13	0.5	D-BU/GY	636	Outside Ambient Air Temperature Sensor Signal	I	-

				Outside Ambient Air Temperature Sensor Signal	I	
14	0.5	WH/RD	1164	Accelerator Pedal Position 5 Volt Reference (1)	I	-
15	0.5	YE/WH	1161	Accelerator Pedal Position Signal (1)	I	-
16-20	-	-	-	Not Occupied	-	-
21	0.5	BN/RD	2700	A/C Pressure Sensor 5 Volt Reference	I	-
22	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	I	-
23	-	-	-	Not Occupied	-	-
24	0.5	BN/RD	7445	Fuel Line Pressure Sensor 5V Reference	I	-
25	0.5	D-BU/VT	1589	Primary Fuel Level Sensor Signal	I	-
26	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	-
27-29	-	-	-	Not Occupied	-	-
30	0.5	BK/D-BU	1271	Accelerator Pedal Position Low Reference (1)	I	-
31	-	-	-	Not Occupied	-	-
32	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	I	-
33	0.5	BN/RD	1274	Accelerator Pedal Position 5 Volt Reference (2)	I	-
34	0.5	L-GN/WH	1162	Accelerator Pedal Position Signal (2)	I	-
35	-	-	-	Not Occupied	-	-
36	0.5	D-BU/BK	7493	High Speed GMLAN Serial Data (+)(3)	I	-
37	0.5	WH	7494	High Speed GMLAN Serial Data (-)(3)	I	-
38	0.5	WH	1579	Fuel Temperature/Composition Signal	I	-
39	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
40	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
41-43	-	-	-	Not Occupied	-	-
44	0.5	GY	5660	Fuel Pump Controller Data Out Signal	I	-
45	-	-	-	Not Occupied	-	-
46	0.5	BN/WH	419	Check Engine Indicator Control	I	-
47	0.5 0.5	GY/RD WH	6109 5359	Clutch Apply Sensor Voltage Reference Brake Apply Sensor Supply Voltage	I	-
48	0.5 0.5	D-BU/YE YE	5361 6111	Brake Apply Sensor Signal Clutch Apply Sensor Signal	I	-
49-50	-	-	-	Not Occupied	-	-
51	0.5	VT/L-GN	439	Run/Crank Ignition 1 Voltage	I	-
52	0.5	RD/BN	440	Battery Positive Voltage	I	-

52	0.5	RD/BN	440	Battery Positive Voltage	I	-
53	0.5	BK/PU	1272	Accelerator Pedal Position Low Reference (2)	I	-
54-56	-	-	-	Not Occupied	-	-
57	0.5	WH/D-BU	6311	Cruise/ETC/TCC Brake Signal	I	-
58	-	-	-	Not Occupied	-	-
59	0.5	BN/YE	473	High Speed Cooling Fan Relay Control	I	-
60	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator	I	-
61	0.5	GY/BK	1694	Four Wheel Drive Low Signal	I	-
62	0.5	VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-
63	0.5	YE/BK	625	Starter Enable Relay Control	I	-
64-65	-	-	-	Not Occupied	-	-
66	0.5	WH	1310	EVAP Canister Vent Solenoid Control	I	-
67	0.5	VT/D-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-
68	0.5 0.5	BK/GY BK/BN	6110 5360	Clutch Apply Sensor Low Reference Brake Apply Sensor Low Reference	I	-
69	-	-	-	Not Occupied	-	-
70	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	-
71	-	-	-	Not Occupied	-	-
72	0.5	YE	5991	Powertrain Relay Coil Control	I	-
73	2.5	VT/D-BU	5290	Powertrain Main Relay Fused Supply (1)	II	-

K20 Engine Control Module X1



Connector Part Information

Harness Type: Engine

OEM Connector: 13869716

Service Connector: Not Available

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK w/ BU Terminal Postion Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575291	J-35616-35 (VT)	J-38125-11A	7116-4152-02	9	A	5

K20 Engine Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/WH	3100	DEF Dosing Valve Low Control	I	-
2	0.75	BN	3099	DEF Dosing Valve High Control	I	-
3	0.5	D-BU	3105	DEF Smart Pump Control	I	-
4	-	-	-	Not Occupied	-	-
5	0.5	YE/BK	625	Starter Enable Relay Control	I	-
6	0.75	L-GN	3101	DEF Reverting Valve High Control	I	-
7	0.5	BK/D-BU	6783	Exhaust Gas Temperature Sensor 2 Low Reference	I	-
8	-	-	-	Not Occupied	-	-
9	0.5	WH/D-BU	6311	Cruise/ETC/TCC Brake Signal	I	-
10	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator	I	-
11	0.5	GY/BK	1694	Four Wheel Drive Low Signal	I	-
12-13	-	-	-	Not Occupied	-	-
14	0.5	GY/RD	2365	Cooling Fan Speed 5 Volt Reference	I	-
15	0.5	BK/GY	2931	Mass Air Flow Sensor Low Reference	I	-

16	0.5	BK/D-BU	6288	Induction Air Temperature Sensor Low Reference	I	-
17	0.5	BN/WH	419	Check Engine Indicator Control	I	-
18	0.5	VT/BN	2927	Hydrocarbon Injector Low Control	I	-
19	0.5	WH/BK	2366	Cooling Fan Control Relay Speed Signal	I	-
20	0.5	L-GN/BN	507	Wait To Start Indicator Control	I	-
21	-	-	-	Not Occupied	-	-
22	0.5	BK/L-GN	3657	Exhaust Gas Temperature Sensor #3 Low Reference	I	-
23-24	-	-	-	Not Occupied	-	-
25	0.5	WH/GY	1786	Transmission Park/Neutral Signal (1)	I	-
26	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	-
27	0.5	BK/PU	3661	Exhaust Gas Temperature Sensor #5 Low Reference	I	-
28	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	-
29	0.5	BN/YE	3108	DEF Pressure Sensor Signal	I	-
30	0.5	YE/RD	3106	DEF Pressure Sensor 5V Reference	I	-
31	0.5	BK/L-GN	3107	DEF Pressure Sensor Low Reference	I	-
32	-	-	-	Not Occupied	-	-
33	0.5	BN/D-BU	2926	Hydrocarbon Injector High Control	I	-
34	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	I	-
35	0.5	BK/PU	3104	DEF Smart Pump Low Reference	I	-
36	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	I	-
37	-	-	-	Not Occupied	-	-
38	0.5	D-BU/L-GN	5377	Exhaust Gas Temperature Sensor (2)	I	-
39	0.5	L-GN/WH	1162	Accelerator Pedal Position Signal (2)	I	-
40	0.5	WH/D-BU	6289	Induction Air Temperature Sensor Signal	I	-
41	0.5	D-BU	6053	Exhaust Pressure Sensor Signal (1)	I	-
42	0.5	WH/RD	1164	Accelerator Pedal Position 5 Volt Reference (1)	I	-
43	0.5	WH/RD	6054	Exhaust Pressure Sensor 5 Volt Reference (1)	I	-
44	0.5	BK/YE	6055	Exhaust Pressure Sensor Low Reference (1)	I	-
45	0.5	WH	7494	High Speed GMLAN Serial Data (-)(3)	I	-
46	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
47	-	-	-	Not Occupied	-	-

47	-	-	-	Not Occupied	-	-
48	0.5	VT/L-GN	439	Run/Crank Ignition 1 Voltage	I	-
49	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal	I	-
50	0.75	BN	25	Charge Indicator Control	I	-
51	0.5	BK/PU	1272	Accelerator Pedal Position Low Reference (2)	I	-
52	-	-	-	Not Occupied	-	-
53	0.75	WH/BK	3102	DEF Reverting Valve Low Control	I	-
54	0.5	GY	3103	DEF Smart Pump Supply Voltage	I	-
55	0.5	BK/D-BU	1271	Accelerator Pedal Position Low Reference (1)	I	-
56	0.5	D-BU/GY	3660	Exhaust Gas Temperature Sensor #5 Signal	I	-
57	0.5	GY/L-GN	5378	Exhaust Gas Temperature Sensor (3)	I	-
58	0.5	D-BU/VT	1589	Primary Fuel Level Sensor Signal	I	-
59	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	I	-
60	-	-	-	Not Occupied	-	-
61	0.5	YE/WH	1161	Accelerator Pedal Position Signal (1)	I	-
62	0.5	BN/RD	1274	Accelerator Pedal Position 5 Volt Reference (2)	I	-
63	0.5	BN/RD	2700	A/C Pressure Sensor 5 Volt Reference	I	-
64	-	-	-	Not Occupied	-	-
65	0.5	D-BU/BK	7493	High Speed GMLAN Serial Data (+)(3)	I	-
66	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
67	0.5	RD/BN	440	Battery Positive Voltage	I	-
68	0.5	YE	5991	Powertrain Relay Coil Control	I	-
69	0.5	D-BU/VT	2364	Cooling Fan Speed Signal	I	-
70	0.75	GY	23	Generator Field Duty Cycle Signal	I	-
71	0.5	BK/BN	6141	Cooling Fan Speed Low Reference	I	-
72	0.5	BN/VT	6399	Replicated TOS Signal	I	-
73	2.5	VT/D-BU	5290	Powertrain Main Relay Fused Supply (1)	II	-

K20 Engine Control Module X1 (L96)

Connector Part Information

Harness Type: Engine

OEM Connector: 13820449

Service Connector: Pending

Description: 56 F 0.64 Series, Sealed

Terminal Part Information

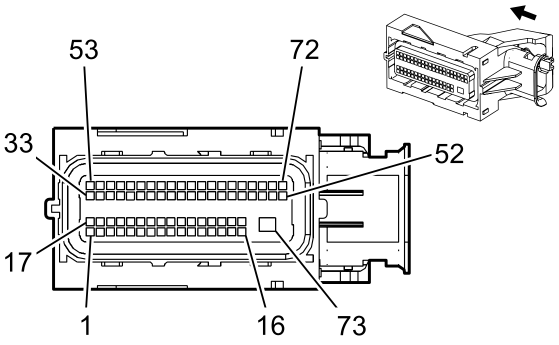
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K20 Engine Control Module X1 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.5	L-GN/WH	1162	Accelerator Pedal Position Signal (2)	I	-
3	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal	I	-
4	0.5	GY/BK	1694	Four Wheel Drive Low Signal	I	-
5	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator	I	-
6-9	-	-	-	Not Occupied	-	-
10	0.5	YE/WH	1161	Accelerator Pedal Position Signal (1)	I	-
11	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	I	-
12	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	I	-
13	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	I	-
14	0.5	YE/D-BU	1465	Secondary Fuel Pump Relay Control	I	-
15	-	-	-	Not Occupied	-	-
16	0.5	BN/RD	1274	Accelerator Pedal Position 5 Volt Reference (2)	I	-
17	-	-	-	Not Occupied	-	-
18	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	-
19	0.5	VT/L-GN	439	Run/Crank Ignition 1 Voltage	I	-
20	0.5	RD/BN	440	Battery Positive Voltage	I	-
21-23	-	-	-	Not Occupied	-	-
24	0.5	WH/RD	1164	Accelerator Pedal Position 5 Volt Reference (1)	I	-
25	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	I	-
26	0.5	BN/RD	2700	A/C Pressure Sensor 5 Volt Reference	I	-

27	0.5	YE/BK	625	Starter Enable Relay Control	I	-
28	0.5	L-GN/GY	465	Fuel Pump Primary Relay Control	I	-
29	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
30	0.5	BK/PU	1272	Accelerator Pedal Position Low Reference (2)	I	-
31	0.5	BK/PU	2760	Intake Air Temperature Sensor Low Reference	I	-
32	-	-	-	Not Occupied	-	-
33	0.5	WH/D-BU	6311	Cruise/ETC/TCC Brake Signal	I	-
34	0.5	WH/GY	1786	Transmission Park/Neutral Signal (1)	I	-
35-37	-	-	-	Not Occupied	-	-
38	0.5	BK/D-BU	1271	Accelerator Pedal Position Low Reference (1)	I	-
39	0.5	WH/YE	3202	Throttle Inlet Absolute Pressure Sensor 5V Return	I	-
40	0.5	YE	5991	Powertrain Relay Coil Control	I	-
41-42	-	-	-	Not Occupied	-	-
43	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
44	-	-	-	Not Occupied	-	-
45	0.5	WH/D-BU	6289	Induction Air Temperature Sensor Signal	I	-
46	-	-	-	Not Occupied	-	-
47	0.5	BN	25	Charge Indicator Control	I	-
48-51	-	-	-	Not Occupied	-	-
52	0.5	BN/WH	419	Check Engine Indicator Control	I	-
53	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	I	-
54-55	-	-	-	Not Occupied	-	-
56	0.5	WH	1310	EVAP Canister Vent Solenoid Control	I	-

K20 Engine Control Module X1 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 13869716

Service Connector: Pending

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK w/ BU Terminal Postion Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575291	J-35616-35 (VT)	J-38125-11A	7116-4152-02	9	A	5

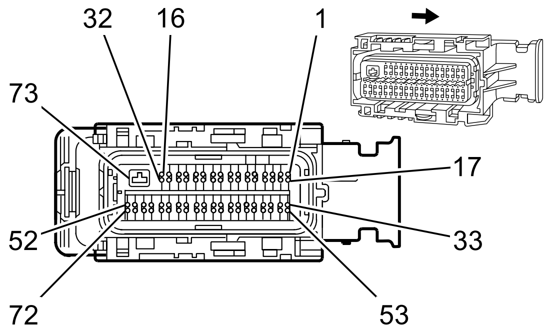
K20 Engine Control Module X1 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/WH	3100	DEF Dosing Valve Low Control	I	-
2	0.75	BN	3099	DEF Dosing Valve High Control	I	-
3	0.5	D-BU	3105	DEF Smart Pump Control	I	-
4	-	-	-	Not Occupied	-	-
5	0.5	YE/BK	625	Starter Enable Relay Control	I	-
6	0.75	L-GN	3101	DEF Reverting Valve High Control	I	-
7	0.5	BK/D-BU	6783	Exhaust Gas Temperature Sensor 2 Low Reference	I	-
8	-	-	-	Not Occupied	-	-
9	0.5	WH/D-BU	6311	Cruise/ETC/TCC Brake Signal	I	-
10	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator	I	-
11	0.5	GY/BK	1694	Four Wheel Drive Low Signal	I	-
12-13	-	-	-	Not Occupied	-	-
14	0.5	GY/RD	2365	Cooling Fan Speed 5 Volt Reference	I	-
15	0.5	BK/GY	2931	Mass Air Flow Sensor Low Reference	I	-

16	0.5	BK/D-BU	6288	Induction Air Temperature Sensor Low Reference	I	-
17	0.5	BN/WH	419	Check Engine Indicator Control	I	-
18	0.5	VT/BN	2927	Hydrocarbon Injector Low Control	I	-
19	0.5	WH/BK	2366	Cooling Fan Control Relay Speed Signal	I	-
20	0.5	L-GN/BN	507	Wait To Start Indicator Control	I	-
21	-	-	-	Not Occupied	-	-
22	0.5	BK/L-GN	3657	Exhaust Gas Temperature Sensor #3 Low Reference	I	-
23-24	-	-	-	Not Occupied	-	-
25	0.5	WH/GY	1786	Transmission Park/Neutral Signal (1)	I	-
26	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	-
27	0.5	BK/PU	3661	Exhaust Gas Temperature Sensor #5 Low Reference	I	-
28	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	-
29	0.5	BN/YE	3108	DEF Pressure Sensor Signal	I	-
30	0.5	YE/RD	3106	DEF Pressure Sensor 5V Reference	I	-
31	0.5	BK/L-GN	3107	DEF Pressure Sensor Low Reference	I	-
32	-	-	-	Not Occupied	-	-
33	0.5	BN/D-BU	2926	Hydrocarbon Injector High Control	I	-
34	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	I	-
35	0.5	BK/PU	3104	DEF Smart Pump Low Reference	I	-
36	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	I	-
37	-	-	-	Not Occupied	-	-
38	0.5	D-BU/L-GN	5377	Exhaust Gas Temperature Sensor (2)	I	-
39	0.5	L-GN/WH	1162	Accelerator Pedal Position Signal (2)	I	-
40	0.5	WH/D-BU	6289	Induction Air Temperature Sensor Signal	I	-
41	0.5	D-BU	6053	Exhaust Pressure Sensor Signal (1)	I	-
42	0.5	WH/RD	1164	Accelerator Pedal Position 5 Volt Reference (1)	I	-
43	0.5	WH/RD	6054	Exhaust Pressure Sensor 5 Volt Reference (1)	I	-
44	0.5	BK/YE	6055	Exhaust Pressure Sensor Low Reference (1)	I	-
45	0.5	WH	7494	High Speed GMLAN Serial Data (-)(3)	I	-
46	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
47	-	-	-	Not Occupied	-	-

47	-	-	-	Not Occupied	-	-
48	0.5	VT/L-GN	439	Run/Crank Ignition 1 Voltage	I	-
49	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal	I	-
50	0.75	BN	25	Charge Indicator Control	I	-
51	0.5	BK/PU	1272	Accelerator Pedal Position Low Reference (2)	I	-
52	-	-	-	Not Occupied	-	-
53	0.75	WH/BK	3102	DEF Reverting Valve Low Control	I	-
54	0.5	GY	3103	DEF Smart Pump Supply Voltage	I	-
55	0.5	BK/D-BU	1271	Accelerator Pedal Position Low Reference (1)	I	-
56	0.5	D-BU/GY	3660	Exhaust Gas Temperature Sensor #5 Signal	I	-
57	0.5	GY/L-GN	5378	Exhaust Gas Temperature Sensor (3)	I	-
58	0.5	D-BU/VT	1589	Primary Fuel Level Sensor Signal	I	-
59	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	I	-
60	-	-	-	Not Occupied	-	-
61	0.5	YE/WH	1161	Accelerator Pedal Position Signal (1)	I	-
62	0.5	BN/RD	1274	Accelerator Pedal Position 5 Volt Reference (2)	I	-
63	0.5	BN/RD	2700	A/C Pressure Sensor 5 Volt Reference	I	-
64	-	-	-	Not Occupied	-	-
65	0.5	D-BU/BK	7493	High Speed GMLAN Serial Data (+)(3)	I	-
66	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
67	0.5	RD/BN	440	Battery Positive Voltage	I	-
68	0.5	YE	5991	Powertrain Relay Coil Control	I	-
69	0.5	D-BU/VT	2364	Cooling Fan Speed Signal	I	-
70	0.75	GY	23	Generator Field Duty Cycle Signal	I	-
71	0.5	BK/BN	6141	Cooling Fan Speed Low Reference	I	-
72	0.5	BN/VT	6399	Replicated TOS Signal	I	-
73	2.5	VT/D-BU	5290	Powertrain Main Relay Fused Supply (1)	II	-

K20 Engine Control Module X2



Connector Part Information

Harness Type: Engine

OEM Connector: 13820450

Service Connector: 19301191

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575291	J-35616-35 (VT)	J-38125-11A	7116-4152-02	9	A	5

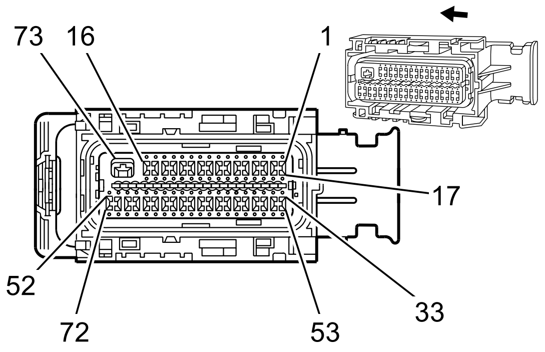
K20 Engine Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	D-BU/VT	2121	Ignition Control (1)	I	-
2	0.5	L-GN/YE	1744	Fuel Injector Control (1)	I	-
3	0.5	BN/GY	878	Fuel Injector Control (8)	I	-
4	0.5	BN/VT	877	Fuel Injector Control (7)	I	-
5	0.5	YE/WH	1745	Fuel Injector Control (2)	I	-
6	0.5	BN/D-BU	846	Fuel Injector Control (6)	I	-
7	0.5	BN/L-GN	845	Fuel Injector Control (5)	I	-
8	0.5	BN/YE	844	Fuel Injector Control (4)	I	-
9	0.5	BN/VT	1746	Fuel Injector Control (3)	I	-
10	-	-	-	Not Occupied	-	-
11	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid (1)	I	-
12-14	-	-	-	Not Occupied	-	-
15	0.5	YE	581	Throttle Actuator Control Open	I	-
16	0.5	BN/WH	582	Throttle Actuator Control Close	I	-

17	0.5	VT/WH	2128	Ignition Control (8)	I	-
18	0.5	YE/D-BU	2124	Ignition Control (4)	I	-
19	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	-
20	0.5	BK/PU	6272	Crankshaft 60X Sensor Low Reference	I	-
21-23	-	-	-	Not Occupied	-	-
24	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference (1)	I	-
25	0.5	BK/PU	2755	Oil Pressure Sensor Low Reference	I	-
26-27	-	-	-	Not Occupied	-	-
28	0.75	VT/D-BU	5290	Powertrain Main Relay Fused Supply (1)	I	-
29	0.5	BK/BN	6753	Cam Phaser W Return Low Reference	I	-
30-32	-	-	-	Not Occupied	-	-
33	0.5	L-GN/GY	2127	Ignition Control (7)	I	-
34	0.5	D-BU/GY	2125	Ignition Control (5)	I	-
35	0.5	BK/D-BU	2129	Ignition Control Low Reference Bank 1	I	-
36	0.5	VT/D-BU	6270	Crankshaft 60X Sensor Voltage	I	-
37-39	-	-	-	Not Occupied	-	-
40	0.5	GY/D-BU	5300	Camshaft Position Intake Sensor Supply Voltage (1)	I	-
41	0.5	WH/RD	2705	Oil Pressure Sensor 5 Volt Reference	I	-
42	-	-	-	Not Occupied	-	-
43	0.5	BN/RD	2701	Throttle Position Sensor 5 Volt Reference	I	-
44	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	-
45-46	-	-	-	Not Occupied	-	-
47	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor (1)	I	-
48	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor (1)	I	-
49	0.75	BK/YE	1716	Knock Sensor Low Reference (1)	I	-
50	0.75	BK/GY	2303	Knock Sensor Low Reference (2)	I	-
51	-	-	-	Not Occupied	-	-
52	0.5	L-GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (1)	I	-
53	0.5	D-BU/WH	2122	Ignition Control (2)	I	-
54	0.5	BN/D-BU	2126	Ignition Control (6)	I	-
55	0.5	L-GN/D-BU	2123	Ignition Control (3)	I	-

[illegible]	[illegible]	L-GN/D-BU	[illegible]	Ignition Control ([illegible])	I	
56	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	I	-
57-59	-	-	-	Not Occupied	-	-
60	0.5	YE/VT	5275	Camshaft Position Intake Sensor (1)	I	-
61	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	-
62	-	-	-	Not Occupied	-	-
63	0.5	BN/L-GN	485	Throttle Position Sensor Signal (1)	I	-
64	-	-	-	Not Occupied	-	-
65	0.5	BN/D-BU	486	Throttle Position Sensor Signal (2)	I	-
66	-	-	-	Not Occupied	-	-
67	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor (1)	I	-
68	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor (1)	I	-
69	0.75	VT/GY	496	Knock Sensor Signal (1)	I	-
70	0.75	WH/GY	1876	Knock Sensor Signal (2)	I	-
71	-	-	-	Not Occupied	-	-
72	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1)	I	-
73	2.5	BK/WH	451	Signal Ground	II	-

K20 Engine Control Module X2



Connector Part Information

Harness Type: Engine

OEM Connector: 33113542

Service Connector: Not Available

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with BK Terminal Position Assurance)

Harness Type: Engine

OEM Connector: 13965165

Service Connector: Not Available

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with BK Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575291	J-35616-35 (VT)	J-38125-11A	7116-4152-02	9	A	5

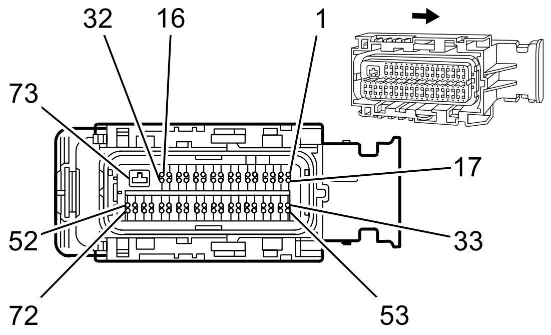
K20 Engine Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.5	BK/L-GN	2919	Fuel Rail Pressure Sensor Low Reference	I	-
4	-	-	-	Not Occupied	-	-
5	0.5	GY/BK	3096	Output Speed (Digital) 5V Sensor Reference	I	-
6	0.5	VT/WH	821	Vehicle Speed Sensor Signal	I	-
7	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	I	-
8	0.5 0.5	L-GN BN/WH	3098 6354	Output Speed (Digital) Signal Output Speed High (Replicated TOS) Input Signal	I	-
9	-	-	-	Not Occupied	-	-
10	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor (1)	I	-
11	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor (1)	I	-
12	0.5	VT/D-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor (2)	I	-

13	0.5	VT/L-GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor (2)	I	-
14	-	-	-	Not Occupied	-	-
15	0.5	GY/D-BU	7564	Humidity Sensor Signal	I	-
16	0.5	BN/WH	582	Throttle Actuator Control Close	I	-
17	-	-	-	Not Occupied	-	-
18	0.5	BN/RD	2917	Fuel Rail Pressure Sensor (5) Volt Reference	I	-
19	0.5	D-BU/WH	2918	Fuel Rail Pressure Sensor Signal	I	-
20	-	-	-	Not Occupied	-	-
21	0.5	WH/BK	3097	Output Speed (Digital) 5V Sensor Return	I	-
22	-	-	-	Not Occupied	-	-
23	0.5	L-GN/WH	5007	Reverse Switch Signal	I	-
24-25	-	-	-	Not Occupied	-	-
26	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor (1)	I	-
27	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor (1)	I	-
28	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor (2)	I	-
29	0.5	YE/D-BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor (2)	I	-
30-31	-	-	-	Not Occupied	-	-
32	0.5	YE	581	Throttle Actuator Control Open	I	-
33	-	-	-	Not Occupied	-	-
34	0.5	BN/RD	2701	Throttle Position Sensor 5 Volt Reference	I	-
35	-	-	-	Not Occupied	-	-
36	0.75	VT/GY	496	Knock Sensor Signal (1)	I	-
37	0.75	WH/GY	1876	Knock Sensor Signal (2)	I	-
38-39	-	-	-	Not Occupied	-	-
40	0.5	VT/D-BU	6091	Crankshaft Position Sensor Replicated Signal	I	-
41	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1)	I	-
42	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)	I	-
43	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	-
44	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5 Volt Reference	I	-
45-48	-	-	-	Not Occupied	-	-
49	0.5	WH/D-BU	6289	Induction Air Temperature Sensor Signal	I	-

50	-	-	-	Not Occupied	-	-
51	0.5	L-GN/D-BU	428	EVAP Canister Purge Solenoid Control	I	-
52	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal	I	-
53	0.5	BN	25	Charge Indicator Control	I	-
54	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	-
55	0.5	GY	23	Generator Field Duty Cycle Signal	I	-
56	0.75	BK/YE	1716	Knock Sensor Low Reference (1)	I	-
57	0.75	BK/GY	2303	Knock Sensor Low Reference (2)	I	-
58	0.5	WH/GY	1786	Transmission Park/Neutral Signal (1)	I	-
59	0.5	D-BU	179	Oil Pump Command Signal	I	-
60	0.5	BN/L-GN	1174	Oil Level Switch Signal	I	-
61	0.5	L-GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (1)	I	-
62	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (2)	I	-
63	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	I	-
64	-	-	-	Not Occupied	-	-
65	0.5	BK/D-BU	61	Outside Ambient Temperature Sensor Low Reference	I	-
66-68	-	-	-	Not Occupied	-	-
69	0.5	WH/YE	3202	Throttle Inlet Absolute Pressure Sensor 5V Return	I	-
70	0.5	D-BU/WH	3630	Throttle Position Sensor (SENT1) Signal	I	-
71-72	-	-	-	Not Occupied	-	-
73	2.5	BK/WH	451	Signal Ground	II	-

K20 Engine Control Module X2 (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 13820450

Service Connector: 13505791

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575291	J-35616-35 (VT)	J-38125-11A	7116-4152-02	9	A	5

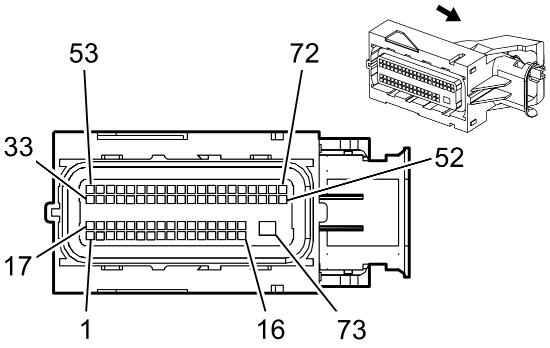
K20 Engine Control Module X2 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	D-BU/VT	2121	Ignition Control (1)	I	-
2	0.5	L-GN/YE	1744	Fuel Injector Control (1)	I	-
3	0.5	BN/GY	878	Fuel Injector Control (8)	I	-
4	0.5	BN/VT	877	Fuel Injector Control (7)	I	-
5	0.5	YE/WH	1745	Fuel Injector Control (2)	I	-
6	0.5	BN/D-BU	846	Fuel Injector Control (6)	I	-
7	0.5	BN/L-GN	845	Fuel Injector Control (5)	I	-
8	0.5	BN/YE	844	Fuel Injector Control (4)	I	-
9	0.5	BN/VT	1746	Fuel Injector Control (3)	I	-
10	-	-	-	Not Occupied	-	-
11	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid (1)	I	-
12-14	-	-	-	Not Occupied	-	-
15	0.5	YE	581	Throttle Actuator Control Open	I	-
16	0.5	BN/WH	582	Throttle Actuator Control Close	I	-

17	0.5	VT/WH	2128	Ignition Control (8)	I	-
18	0.5	YE/D-BU	2124	Ignition Control (4)	I	-
19	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	-
20	0.5	BK/PU	6272	Crankshaft 60X Sensor Low Reference	I	-
21-23	-	-	-	Not Occupied	-	-
24	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference (1)	I	-
25	0.5	BK/PU	2755	Oil Pressure Sensor Low Reference	I	-
26-27	-	-	-	Not Occupied	-	-
28	0.75	VT/D-BU	5290	Powertrain Main Relay Fused Supply (1)	I	-
29	0.5	BK/BN	6753	Cam Phaser W Return Low Reference	I	-
30-32	-	-	-	Not Occupied	-	-
33	0.5	L-GN/GY	2127	Ignition Control (7)	I	-
34	0.5	D-BU/GY	2125	Ignition Control (5)	I	-
35	0.5	BK/D-BU	2129	Ignition Control Low Reference Bank 1	I	-
36	0.5	VT/D-BU	6270	Crankshaft 60X Sensor Voltage	I	-
37-39	-	-	-	Not Occupied	-	-
40	0.5	GY/D-BU	5300	Camshaft Position Intake Sensor Supply Voltage (1)	I	-
41	0.5	WH/RD	2705	Oil Pressure Sensor 5 Volt Reference	I	-
42	-	-	-	Not Occupied	-	-
43	0.5	BN/RD	2701	Throttle Position Sensor 5 Volt Reference	I	-
44	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	-
45-46	-	-	-	Not Occupied	-	-
47	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor (1)	I	-
48	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor (1)	I	-
49	0.75	BK/YE	1716	Knock Sensor Low Reference (1)	I	-
50	0.75	BK/GY	2303	Knock Sensor Low Reference (2)	I	-
51	-	-	-	Not Occupied	-	-
52	0.5	L-GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (1)	I	-
53	0.5	D-BU/WH	2122	Ignition Control (2)	I	-
54	0.5	BN/D-BU	2126	Ignition Control (6)	I	-
55	0.5	L-GN/D-BU	2123	Ignition Control (3)	I	-

56	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	I	-
57-59	-	-	-	Not Occupied	-	-
60	0.5	YE/VT	5275	Camshaft Position Intake Sensor (1)	I	-
61	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	-
62	-	-	-	Not Occupied	-	-
63	0.5	BN/L-GN	485	Throttle Position Sensor Signal (1)	I	-
64	-	-	-	Not Occupied	-	-
65	0.5	BN/D-BU	486	Throttle Position Sensor Signal (2)	I	-
66	-	-	-	Not Occupied	-	-
67	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor (1)	I	-
68	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor (1)	I	-
69	0.75	VT/GY	496	Knock Sensor Signal (1)	I	-
70	0.75	WH/GY	1876	Knock Sensor Signal (2)	I	-
71	-	-	-	Not Occupied	-	-
72	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (1)	I	-
73	2.5	BK/WH	451	Signal Ground	II	-

K20 Engine Control Module X2 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 12603596

Service Connector: 13574947

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with BK Terminal Position Assurance)

Terminal Part Information

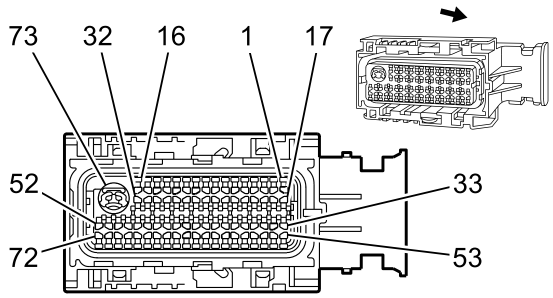
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

K20 Engine Control Module X2 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	L-GN	497	Fuel Pump Secondary Relay Control	I	LML
2	-	-	-	Not Occupied	-	-
3	0	YE	2928	Fuel Metering Valve High Control	I	LML
4	0.8	VT/WH	2530	Fuel Rail Pressure Solenoid Supply Voltage	I	LML
5	0	BK	2929	Fuel Metering Valve Low Control	I	LML
6	0.5	WH	5931	Variable Nozzle Turbo Solenoid Low Signal	I	LML
7	0		2752	Throttle Position Sensor Low Reference	I	LML
8	0		2753	Exhaust Gas Recirculation Sensor Low Reference	I	LML
9	0	BR	1174	Oil Level Switch Signal	I	LML
10	0	BR	6782	Exhaust Gas Temperature Sensor 1 Low Reference	I	LML
11	0		3653	EGR Cooler Bypass Position Sensor Low Reference	I	LML
12	-	-	-	Not Occupied	-	-
13	0.8	BR/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	I	LML
14	0.8	WH	4907	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 7	I	LML
15	0.8	L-BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	I	LML

16	0.8	BR	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	I	LML
17	0.8	BK/WH	451	Signal Ground	I	LML
18	0.8	BK/WH	451	Signal Ground	I	LML
19	0.8	YE	2834	Fuel Rail Pressure Solenoid Low Reference	I	LML
20	-	-	-	Not Occupied	-	-
21	0.8	BK/WH	451	Signal Ground	I	LML
22	0.5	BU	5930	Variable Nozzle Turbo Solenoid High Signal	I	LML
23-24	-	-	-	Not Occupied	-	-
25	0	OG/BK	5929	Variable Nozzle Turbo Position Sensor Low Reference	I	LML
26	0	L-BU/BK	6813	Coolant Temperature Sensor #2 Low Reference	I	LML
27	0	YE/BK	1827	Vehicle Speed Signal	I	LML
28	-	-	-	Not Occupied	-	-
29	0.8	L-BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	I	LML
30	0.8	VT/WH	4906	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	I	LML
31	0.8		4807	Direct Fuel Injector (DFI) High Voltage Control Cylinder 7	I	LML
32	0.8	VT	4806	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	I	LML
33-40	-	-	-	Not Occupied	-	-
41	0	BK	2755	Oil Pressure Sensor Low Reference	I	LML
42-46	-	-	-	Not Occupied	-	-
47	0	GY	2702	Exhaust Gas Recirculation 5 Volt Reference (2)	I	LML
48	0	GY	3652	EGR Cooler Bypass Position Sensor 5V Reference	I	LML
49-65	-	-	-	Not Occupied	-	-
66	0		5928	Variable Nozzle Turbo Position Sensor Voltage Reference	I	LML
67	0	VT/WH	6270	Crankshaft 60X Sensor Voltage	I	LML
68-72	-	-	-	Not Occupied	-	-
73	3	BK/WH	451	Signal Ground	I	LML

K20 Engine Control Module X3



Connector Part Information

Harness Type: Engine

OEM Connector: 33113547

Service Connector: Not Available

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with GY Terminal Position Assurance)

Harness Type: Engine

OEM Connector: 13965166

Service Connector: Not Available

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with GY Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575291	J-35616-35 (VT)	J-38125-11A	7116-4152-02	9	A	5

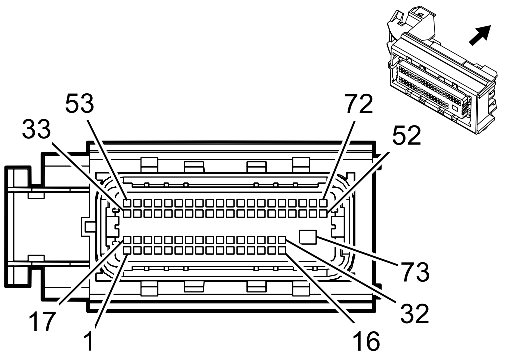
K20 Engine Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	-
2	0.5	WH/RD	2705	Oil Pressure Sensor 5 Volt Reference	I	-
3	0.5	BN/YE	2161	Fuel Rail Pressure Sensor #2 Signal	I	-
4-7	-	-	-	Not Occupied	-	-
8	0.5	D-BU	410	Engine Coolant Temperature Sensor Signal	I	-
9	-	-	-	Not Occupied	-	-
10	0.5	VT/D-BU	6270	Crankshaft 60X Sensor Voltage	I	-
11	0.5	L-GN/D-BU	2123	Ignition Control (3)	I	-
12	0.5	YE/D-BU	2124	Ignition Control (4)	I	-
13	0.5 0.5	D-BU/WH D-BU/GY	2122 2125	Ignition Control (2) Ignition Control (5)	I	-
14	0.5 0.5	L-GN/D-BU BN/D-BU	2123 2126	Ignition Control (3) Ignition Control (6)	I	-

	0.5	BN/D-BU	2126	Ignition Control (6)		
15	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	-
16	0.75	YE	7301	High Pressure Fuel Pump Actuator High - Control	I	-
17	0.5	BK/PU	2755	Oil Pressure Sensor Low Reference	I	-
18-23	-	-	-	Not Occupied	-	-
24	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	-
25	0.5	BK/PU	6272	Crankshaft 60X Sensor Low Reference	I	-
26	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	I	-
27	0.5 0.5	YE/D-BU D-BU/WH	2124 2122	Ignition Control (4) Ignition Control (2)	I	-
28	0.5 0.5	D-BU/GY L-GN/GY	2125 2127	Ignition Control (5) Ignition Control (7)	I	-
29	0.5 0.5	BN/D-BU VT/WH	2126 2128	Ignition Control (6) Ignition Control (8)	I	-
30	0.5	D-BU/VT	2121	Ignition Control (1)	I	-
31	0.5	BK/D-BU	2129	Ignition Control Low Reference Bank 1	I	-
32	0.75	VT/BK	7300	High Pressure Fuel Pump Actuator Low - Control	I	-
33	0.5	YE/VT	5275	Camshaft Position Intake Sensor (1)	I	-
34	0.5	GY/D-BU	5300	Camshaft Position Intake Sensor Supply Voltage (1)	I	-
35-38	-	-	-	Not Occupied	-	-
39	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid (1)	I	-
40-42	-	-	-	Not Occupied	-	-
43	0.5	GY	5493	Cylinder Shutoff Solenoid Control (3)	I	-
44	0.5	YE/D-BU	5494	Cylinder Shutoff Solenoid Control (4)	I	-
45	0.75	GY/D-BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	I	-
46	0.75 0.75	GY/D-BU D-BU	4804 4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4 Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	I	-
47	0.75 0.75	L-GN PU/L-GN	4803 4806	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3 Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	I	-
48	0.75 0.75	PU/L-GN GY	4806 4808	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6 Direct Fuel Injector (DFI) High Voltage Control Cylinder 8	I	-
49	0.75	L-GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	I	-
50	0.75 0.75	WH/L-GN YE/GY	4805 4807	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5 Direct Fuel Injector (DFI) High Voltage Control Cylinder 7	I	-

	0.75	YE/GY	4807	Direct Fuel Injector (DFI) High Voltage Control Cylinder 7		
51	0.75	D-BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	I	-
	0.75	WH/L-GN	4805	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5		
52	0.75	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	I	-
53	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference (1)	I	-
54-58	-	-	-	Not Occupied	-	-
59	0.5	BK/BN	6753	Cam Phaser W Return Low Reference	I	-
60-62	-	-	-	Not Occupied	-	-
63	0.5	D-BU	5491	Cylinder Shutoff Solenoid Control (1)	I	-
64	0.5	L-GN	5492	Cylinder Shutoff Solenoid Control (2)	I	-
65	0.75	D-BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	I	-
66	0.75	D-BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	I	-
	0.75	D-BU/YE	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2		
67	0.75	L-GN/BK	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	I	-
	0.75	VT	4906	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6		
68	0.75	VT	4906	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	I	-
	0.75	GY/D-BU	4908	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 8		
69	0.75	L-GN/BK	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	I	-
70	0.75	L-GN/WH	4905	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	I	-
	0.75	WH/YE	4907	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 7		
71	0.75	D-BU/YE	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	I	-
	0.75	L-GN/WH	4905	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5		
72	0.75	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	I	-
73	2.5	BK/WH	451	Signal Ground	II	-

K20 Engine Control Module X3



Connector Part Information

Harness Type: Engine

OEM Connector: 13820451

Service Connector: 19260918

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with GY Terminal Position Assurance)

Terminal Part Information

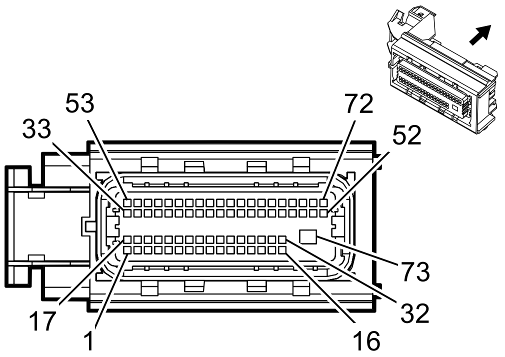
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K20 Engine Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/WH	5007	Reverse Switch Signal	I	-
2-9	-	-	-	Not Occupied	-	-
10	0.5	L-GN/D-BU	428	EVAP Canister Purge Solenoid Control	I	-
11-15	-	-	-	Not Occupied	-	-
16	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (2)	I	-
17	0.5	GY	23	Generator Field Duty Cycle Signal	I	-
18-21	-	-	-	Not Occupied	-	-
22	0.5 0.5	BK/BN BK/GY	5360 6110	Brake Apply Sensor Low Reference Clutch Apply Sensor Low Reference	I	-
23-26	-	-	-	Not Occupied	-	-
27	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	-
28	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5 Volt Reference	I	-
29	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	I	-
30	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	-
31	-	-	-	Not Occupied	-	-
32	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)	I	-

32	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)	I	-
33-37	-	-	-	Not Occupied	-	-
38	0.5 0.5	WH GY/RD	5359 6109	Brake Apply Sensor Supply Voltage Clutch Apply Sensor Voltage Reference	I	-
39-42	-	-	-	Not Occupied	-	-
43	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5 Volt Reference	I	-
44	0.5	D-BU/WH	1937	Secondary Fuel Level Sensor Signal	I	-
45	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	-
46	0.5	D-BU	410	Engine Coolant Temperature Sensor Signal	I	-
47	-	-	-	Not Occupied	-	-
48	0.5	VT/WH	821	Vehicle Speed Sensor Signal	I	-
49	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	I	-
50-54	-	-	-	Not Occupied	-	-
55	0.5	BN/WH	6354	Output Speed High (Replicated TOS) Input Signal	I	-
56-57	-	-	-	Not Occupied	-	-
58	0.5 0.5	D-BU/YE YE	5361 6111	Brake Apply Sensor Signal Clutch Apply Sensor Signal	I	-
59-62	-	-	-	Not Occupied	-	-
63	0.5	D-BU/WH	890	Fuel Tank Pressure Sensor Signal	I	-
64	0.5	D-BU/VT	1589	Primary Fuel Level Sensor Signal	I	-
65	0.5	VT/L-GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor (2)	I	-
66	0.5	YE/D-BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor (2)	I	-
67	0.5	VT/D-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor (2)	I	-
68	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor (2)	I	-
69-73	-	-	-	Not Occupied	-	-

K20 Engine Control Module X3 (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 13820451

Service Connector: 13587276

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with GY Terminal Position Assurance)

Terminal Part Information

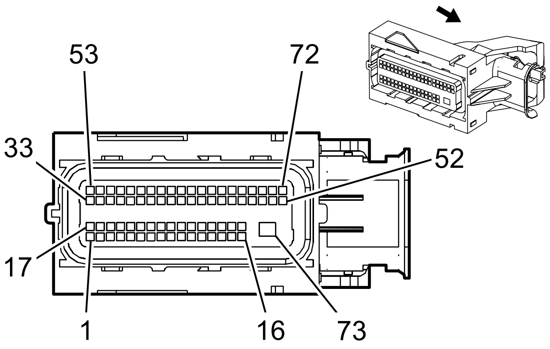
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K20 Engine Control Module X3 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/WH	5007	Reverse Switch Signal	I	-
2-9	-	-	-	Not Occupied	-	-
10	0.5	L-GN/D-BU	428	EVAP Canister Purge Solenoid Control	I	-
11-15	-	-	-	Not Occupied	-	-
16	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor (2)	I	-
17	0.5	GY	23	Generator Field Duty Cycle Signal	I	-
18-21	-	-	-	Not Occupied	-	-
22	0.5 0.5	BK/GY BK/BN	6110 5360	Clutch Apply Sensor Low Reference Brake Apply Sensor Low Reference	I	-
23-26	-	-	-	Not Occupied	-	-
27	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	-
28	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5 Volt Reference	I	-
29	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	I	-
30	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	-
31	-	-	-	Not Occupied	-	-
32	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)	I	-

32	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2)	I	-
33-37	-	-	-	Not Occupied	-	-
38	0.5 0.5	WH GY/RD	5359 6109	Brake Apply Sensor Supply Voltage Clutch Apply Sensor Voltage Reference	I	-
39-42	-	-	-	Not Occupied	-	-
43	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5 Volt Reference	I	-
44	0.5	D-BU/WH	1937	Secondary Fuel Level Sensor Signal	I	-
45	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	-
46	0.5	D-BU	410	Engine Coolant Temperature Sensor Signal	I	-
47	-	-	-	Not Occupied	-	-
48	0.5	VT/WH	821	Vehicle Speed Sensor Signal	I	-
49	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	I	-
50-54	-	-	-	Not Occupied	-	-
55	0.5	BN/WH	6354	Output Speed High (Replicated TOS) Input Signal	I	-
56-57	-	-	-	Not Occupied	-	-
58	0.5 0.5	YE D-BU/YE	6111 5361	Clutch Apply Sensor Signal Brake Apply Sensor Signal	I	-
59-62	-	-	-	Not Occupied	-	-
63	0.5	D-BU/WH	890	Fuel Tank Pressure Sensor Signal	I	-
64	0.5	D-BU/VT	1589	Primary Fuel Level Sensor Signal	I	-
65	0.5	VT/L-GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor (2)	I	-
66	0.5	YE/D-BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor (2)	I	-
67	0.5	VT/D-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor (2)	I	-
68	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor (2)	I	-
69-73	-	-	-	Not Occupied	-	-

K20 Engine Control Module X3 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 12603597

Service Connector: 13574948

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with GY Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

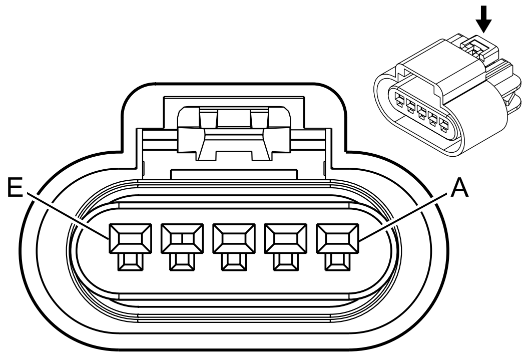
K20 Engine Control Module X3 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0	BU/YE	6861	Water In Fuel Sensor Signal	I	LML
3	0	L-BU	1937	Secondary Fuel Level Sensor Signal	I	LML
4	0	WH	331	Oil Pressure Sensor Signal	I	LML
5	0	YE	5361	Brake Apply Sensor Signal	I	LML
6	0	VT/WH	7584	Exhaust Gas Recirculation Temperature Sensor #1 Supply Voltage	I	LML
7	0	BU	7583	Exhaust Gas Recirculation Temperature Sensor #2 Supply Voltage	I	LML
8	0	L-GN	2032	Coolant Temperature Sensor Signal	I	LML
9	0	BR/WH	5763	Exhaust Gas Recirculation Valve Sensor Signal	I	LML
10	0	YE	5947	Variable Nozzle Turbo Position Sensor Signal	I	LML
11	-	-	-	Not Occupied	-	-
12	0	BR	3681	Charge Air Cooler Outlet Temperature Sensor Signal	I	LML
13	0		3680	Charge Air Cooler Outlet Temperature Sensor Return	I	LML
14	0		2917	Fuel Rail Pressure Sensor (5) Volt Reference	I	LML
15	0	WH	5359	Brake Apply Sensor Supply Voltage	I	LML

16	0	GY	2704	Manifold Absolute Pressure Sensor 5 Volt Reference	I	LML
17	0	BU	6863	Water In Fuel Sensor Low Reference	I	LML
18	0	BU	5277	Exhaust Gas Temperature Sensor (1)	I	LML
19	-	-	-	Not Occupied	-	-
20	0	YE	2918	Fuel Rail Pressure Sensor Signal	I	LML
21	0	L-GN	432	Manifold Absolute Pressure Sensor Signal	I	LML
22-23	-	-	-	Not Occupied	-	-
24	0	YE	410	Engine Coolant Temperature Sensor Signal	I	LML
25	0	GN/WH	3654	EGR Cooler Bypass Position Sensor Signal	I	LML
26	-	-	-	Not Occupied	-	-
27	0	BR/GY	7072	Sensor Fuel Temperature 1 Signal	I	LML
28	0	D-GN	3683	Charge Air Cooler Inlet Temperature Sensor Signal	I	LML
29	0	BK	3682	Charge Air Cooler Inlet Temperature Sensor Return	I	LML
30	0	GY	2705	Oil Pressure Sensor 5 Volt Reference	I	LML
31	0	BU	6259	Camshaft CAM W Supply Voltage	I	LML
32	0	GY	2701	Throttle Position Sensor 5 Volt Reference	I	LML
33-35	-	-	-	Not Occupied	-	-
36	0	OG/BK	2919	Fuel Rail Pressure Sensor Low Reference	I	LML
37	0	OG/BK	469	Manifold Absolute Pressure Sensor Low Reference	I	LML
38	0	BR/WH	5360	Brake Apply Sensor Low Reference	I	LML
39	-	-	-	Not Occupied	-	-
40	0		2761	Coolant Temperature Sensor Low Reference	I	LML
41	0	L-BU	7564	Humidity Sensor Signal	I	LML
42-43	-	-	-	Not Occupied	-	-
44	0	GY/BK	5765	Fuel Filter Pressure Switch Signal	I	LML
45	-	-	-	Not Occupied	-	-
46	0	BR/WH	7073	Sensor Fuel Temperature 1 Return	I	LML
47-48	-	-	-	Not Occupied	-	-
49	0.8	GY/WH	4908	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 8	I	LML
50	0.8	WH	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	I	LML
51	0.8		4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	I	LML

52	0.8	L-GN	4805	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	I	LML
53	-	-	-	Not Occupied	-	-
54	0	L-GN/BK	5746	Exhaust Gas Recirculation Valve Motor Low Signal	I	LML
55	0	OG/BK	5764	Exhaust Gas Recirculation Valve Motor High Signal	I	LML
56	0.8	BR	582	Throttle Actuator Control Close	I	LML
57	0.8	YE	581	Throttle Actuator Control Open	I	LML
58	0	OG/BK	3656	EGR Cooler Bypass Motor Close Control	I	LML
59	0	L-GN	3655	EGR Cooler Bypass Motor Open Control	I	LML
60	0	GY/BK	6272	Crankshaft 60X Sensor Low Reference	I	LML
61	0	WH/BK	6271	Crankshaft 60X Sensor Signal	I	LML
62	0	D-GN	485	Throttle Position Sensor Signal (1)	I	LML
63	-	-	-	Not Occupied	-	-
64	0	GN/WH	6142	Power Take Off Engine Shutdown Signal	I	LML
65	0	BU/WH	6265	Camshaft CAM W Signal	I	LML
66	0	BR	6266	Camshaft CAM W Ground	I	LML
67	0	BR	6274	Exhaust Gas Recirculation Temperature Sensor Low Reference	I	LML
68	0	WH	6275	Exhaust Gas Recirculation Temperature Sensor #2 Low Reference	I	LML
69	0.8	D-GN/WH	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	I	LML
70	0.8	L-GN/WH	4905	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	I	LML
71	0.8	D-GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	I	LML
72	0.8	GY	4808	Direct Fuel Injector (DFI) High Voltage Control Cylinder 8	I	LML
73	3	BK/WH	451	Signal Ground	I	LML

K22 Cooling Fan Control Module (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 13519051

Service Connector: 13585858

Description: 5-Way F 150 GT Series, Sealed (BK)

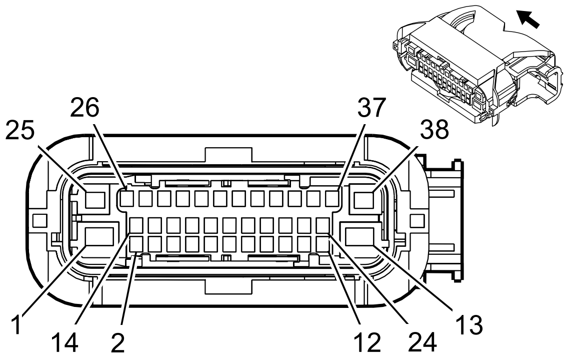
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575412	J-35616-2A (GY)	J-38125-553	12191819	8	2	1
II	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

K22 Cooling Fan Control Module (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	BK	550	Ground	I	-
B	0.5	WH	2368	Cooling Fan Control Signal	II	-
C	0.5	BK/BN	6141	Cooling Fan Speed Low Reference	II	-
D	0.5	D-BU/VT	2364	Cooling Fan Speed Signal	II	-
E	0.5	GY/RD	2365	Cooling Fan Speed 5 Volt Reference	II	-

K27 Fuel Pump Control Module



Connector Part Information

Harness Type: Chassis

OEM Connector: 13962189

Service Connector: 19301817

Description: 38-Way F 1.5, 2.8, 4.8 MCP Series, Sealed

Terminal Part Information

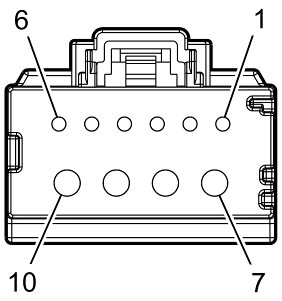
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

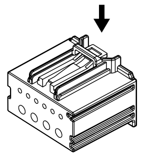
K27 Fuel Pump Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/WH	2040	Battery Positive Voltage	I	-
2-12	-	-	-	Not Occupied	-	-
13	0.75	BK	1750	Ground	I	-
14	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	-
15	-	-	-	Not Occupied	-	-
16	0.5	D-BU/RD	7632	Integrated Trailer Brake Controller Switch 5 Volt Reference	I	-
17	0.5	D-BU	47	Trailer Auxiliary Supply Voltage	I	-
18	0.5	BN	7634	Integrated Trailer Brake Contoller Redundant Manual Apply Signal	I	-
19	0.5	BK/BN	7631	Integrated Trailer Brake Controller Switch Low Reference	I	-
20	0.5	YE	7635	Integrated Trailer Brake Controller Manual Apply Signal	I	-
21	0.5	L-GN/BK	7633	Integrated Trailer Brake Controller User Gain Signal	I	-
22	0.5	YE/BK	2224	Trailer Brake Enable Signal	I	-
23	0.5	WH/BK	2223	Trailer Brake Control Signal	I	-
24	-	-	-	Not Occupied	-	-
25	0.75	PU/L-GN	439	Run/Crank Ignition 1 Voltage	I	-

26	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
27	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
28	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
29	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
30	0.5	GY	2225	Trailer Brake Current Feedback Signal	I	-
31-38	-	-	-	Not Occupied	-	-

K29 Seat Heating Control Module X1





Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 31372-1000

Service Connector: Service by Harness - See Part Catalog

Description: 10-Way F 1.5, 2.8 Series (BK)

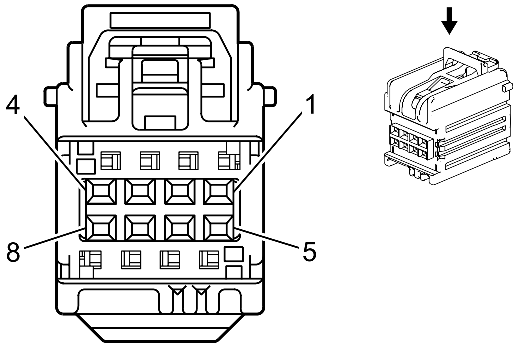
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K29 Seat Heating Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/L-GN	6140	Battery Positive Voltage	I	-
2	-	-	-	Not Occupied	-	-
3	0.75	WH/BN	2481	Passenger Heated Back Element Supply Voltage	I	-
4	0.75	BN/L-BU	2479	Passenger Heated Seat Element Supply Voltage	I	-
5	0.75	BN	2432	Driver Heated Back Element Supply Voltage	I	-
6	0.75	BN/VT	2077	Driver Heated Seat Element Supply Voltage	I	-
7	-	-	-	Not Occupied	-	-
8	0.75	BK	1250	Ground	I	-
9	-	-	-	Not Occupied	-	-
10	0.75	RD/L-GN	5140	Battery Positive Voltage	I	-

K29 Seat Heating Control Module X2



Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 7283-9028-30

Service Connector: 13576542

Description: 8-Way F YESC Kaizen Series (BK)

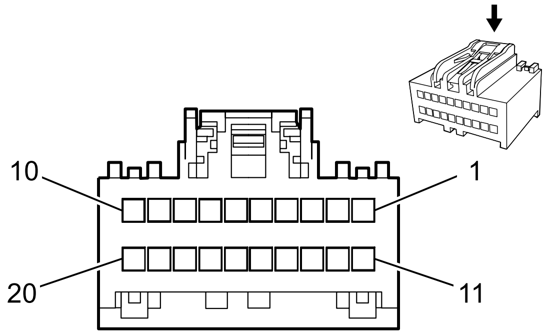
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K29 Seat Heating Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-5	-	-	-	Not Occupied	-	-
6	0.35	L-GN/L-BU	6133	Linear Interconnect Network Bus 2	I	-
7-8	-	-	-	Not Occupied	-	-

K33 HVAC Control Module X1



Connector Part Information

Harness Type: HVAC

OEM Connector: 13611322

Service Connector: 13576644

Description: 20-Way F 0.64 Series (GN with WH Terminal Position Assurance)

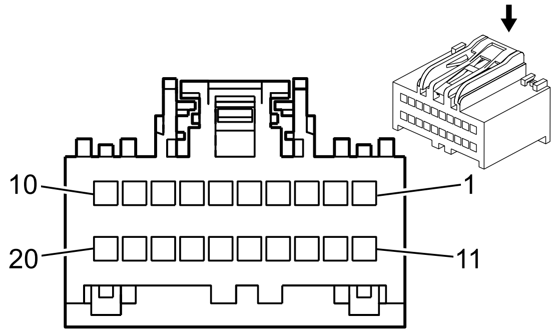
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K33 HVAC Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	0.35	D-BU/WH	734	Inside Air Temperature Sensor Signal	I	-
5-12	-	-	-	Not Occupied	-	-
13	0.35	YE/VT	1783	Twilight Sentinel Delay Signal	I	-
14	0.35	YE/VT	1783	Twilight Sentinel Delay Signal	I	-
15-17	-	-	-	Not Occupied	-	-
18	0.35	BN	404	Upper Air Temperature Sensor Signal	I	-
19	0.35	BN/BK	405	Lower Air Temperature Sensor Signal	I	-
20	0.35	GY	590	Solar Sensor Driver Signal	I	-

K33 HVAC Control Module X2



Connector Part Information

Harness Type: HVAC

OEM Connector: 15491305

Service Connector: 15126709

Description: 20-Way F USCAR 64 Series (BN)

Terminal Part Information

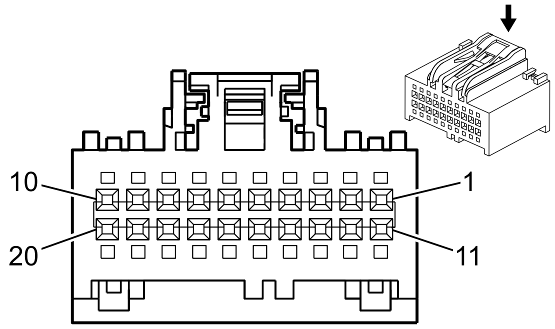
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K33 HVAC Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/VT	3340	Battery Positive Voltage	I	-
2	0.35	L-GN	5060	Low Speed GMLAN Serial Data	I	-
3	-	-	-	Not Occupied	-	-
4	0.35	D-GN/YE	7531	Linear Interconnect Network Bus 9	I	-
5	0.5	YE/D-GN	3196	Auxiliary Heater Status Signal	I	-
6	-	-	-	Not Occupied	-	-
7	0.5	VT	3195	Auxiliary Heater Control	I	-
8	0.35	BK/WH	1851	Signal Ground	I	-
9	0.5	VT/GY	539	Run/Crank Ignition 1 Voltage	I	-
10	0.5	D-BU/YE	7574	Electric Variable Displacement Control	I	-
11	0.5	L-BU/BN	7573	Electric Variable Displacement Supply	I	-
12-14	-	-	-	Not Occupied	-	-
15	0.35	D-BU/GY	754	Blower Motor Speed Control	I	-
16	0.35	L-GN/BK	2211	Rear Blower Motor Speed Control	I	-
17	0.35	GY/RD	598	5 Volt Reference	I	-

18	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	-
19	0.35	BN/VT	193	Rear Defog Relay Control	I	-
20	-	-	-	Not Occupied	-	-

K33 HVAC Control Module X3



Connector Part Information

Harness Type: HVAC

OEM Connector: 15489824

Service Connector: 15126711

Description: 20-Way F 0.64 Series (BK with WH Terminal Position Assurance)

Terminal Part Information

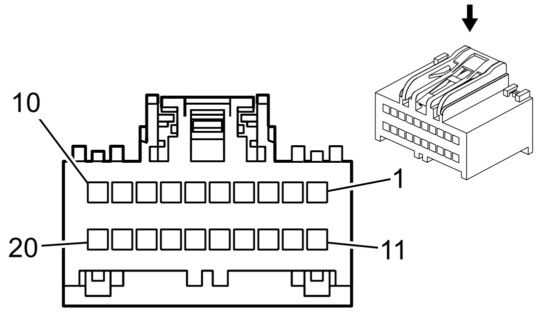
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K33 HVAC Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	D-BU	516	Upper Left Air Temperature Sensor Signal	I	-
2	0.35	YE/BN	2273	Mode Door Control	I	-
3	0.35	WH	119	Mode Door Control	I	-
4	0.35	WH/D-GN	2275	Mode 1 Valve Position Sensor Signal	I	-
5-8	-	-	-	Not Occupied	-	-
9	0.35	BK/YE	407	Sensor Low Reference	I	-
10	-	-	-	Not Occupied	-	-
11	0.35	GY/D-GN	2210	Air Temperature Door Control	I	-
12	0.35	L-BU/BN	1199	Air Temperature Door Control	I	-
13	0.35	D-BU/YE	733	Air Temperature Door Position Signal	I	-
14-15	-	-	-	Not Occupied	-	-
16	0.35	YE/BK	2274	Recirculation Door Control	I	-
17	0.35	D-GN	1614	Recirculation Door Control	I	-
18	0.35	VT/L-GN	1838	Recirculation Door Position Signal	I	-
19	-	-	-	Not Occupied	-	-

20	0.35	GY	6137	EVAP Core Temperature Sensor Signal	I	-

K33 HVAC Control Module X4



Connector Part Information

Harness Type: HVAC

OEM Connector: 15491304

Service Connector: 15126710

Description: 20-Way F USCAR 64 Series (GY)

Terminal Part Information

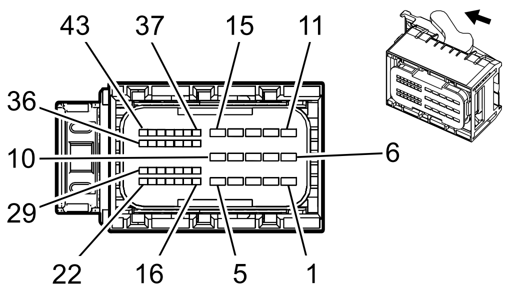
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K33 HVAC Control Module X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-4	-	-	-	Not Occupied	-	-
5	0.35	GY/BK	2778	Passenger Air Temperature Motor Control	I	-
6	0.35	WH/BK	1236	Passenger Air Temperature Door Control	I	-
7	0.35	BN/L-BU	1646	Passenger Air Temperature Door Position Signal	I	-
8	-	-	-	Not Occupied	-	-
9	0.35	YE	517	Upper Right Air Temperature Sensor Signal	I	-
10	-	-	-	Not Occupied	-	-
11	0.35	L-GN	518	Lower Left Air Temperature Sensor Signal	I	-
12	0.35	RD	520	Lower Right Air Temperature Sensor Signal	I	-
13	0.35	D-GN/WH	5729	Rear Mode Motor Supply Voltage	I	-
14	0.35	BK/L-GN	5730	Rear Mode Motor Low Reference	I	-
15	0.35	GY	2599	Rear Mode Motor Signal	I	-
16	-	-	-	Not Occupied	-	-
17	0.35	WH/BN	2775	Rear Air Temperature Motor Control	I	-
18	0.35	GY	2614	Rear Air Temperature Door Control	I	-

19	0.35	GY/D-BU	2145	Passenger Air Temperature Switch Signal	I	-
20	-	-	-	Not Occupied	-	-

K34 Glow Plug Control Module (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 10001042

Service Connector: 13576417

Description: 43-Way F 1.2, 2.8 Series, Sealed

Terminal Part Information

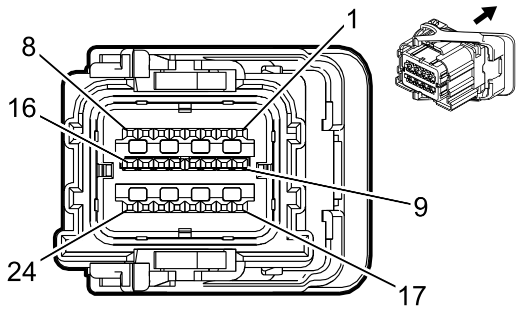
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

K34 Glow Plug Control Module (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2	GY/WH	3675	DEF Pump Heater Control	I	LML
2	2	WH/YE	1584	Glow Plug Supply Voltage (4)	I	LML
3	2	YE	1583	Glow Plug Supply Voltage (3)	I	LML
4	2	VT/WH	1582	Glow Plug Supply Voltage (2)	I	LML
5	2	VT	1581	Glow Plug Supply Voltage (1)	I	LML
6	2	VT/WH	3199	DEF Pressure Line Heater Control	I	LML
7	0		3673	Nox Sensor (1) Ground	I	LML
8	2	BK/WH	351	Signal Ground	I	LML
9	0	BK	3671	Nox Sensor (2) Ground	I	LML
10	2	BK	550	Ground	I	LML
11	2	OG/WH	3677	DEF Resevoir Heater Control	I	LML
12	2	GN	1585	Glow Plug Supply Voltage (5)	I	LML
13	2	GN/WH	1586	Glow Plug Supply Voltage (6)	I	LML
14	2	PK	1587	Glow Plug Supply Voltage (7)	I	LML
15	2	PK/WH	1588	Glow Plug Supply Voltage (8)	I	LML

16	0	D-GN	2924	Intake Air Heater Current Feedback Signal	I	LML
17	0	VT	2922	Intake Air Heater Digital Response Signal	I	LML
18	0		2501	High Speed GMLAN Serial Data (-) (1)	I	LML
19	0		2501	High Speed GMLAN Serial Data (-) (1)	I	LML
20-22	-	-	-	Not Occupied	-	-
23	0		2925	Intake Air Heater Voltage Feedback Signal	I	LML
24	0	BK	2923	Intake Air Heater Temperature Signal	I	LML
25	0	BK	2500	High Speed GMLAN Serial Data (+) (1)	I	LML
26	0	BK	2500	High Speed GMLAN Serial Data (+) (1)	I	LML
27-29	-	-	-	Not Occupied	-	-
30	0	OG/BK	2921	Intake Air Heater Switch On/Off Signal	I	LML
31	0	YE	2920	Intake Air Heater Heart Beat Signal	I	LML
32	-	-	-	Not Occupied	-	-
33	0	PK	2139	Run/Crank Ignition 1 Voltage	I	LML
34-36	-	-	-	Not Occupied	-	-
37	0	VT	3674	Nox Sensor (1) Supply Voltage	I	LML
38	0	GY	3672	Nox Sensor (2) Supply Voltage	I	LML
39	-	-	-	Not Occupied	-	-
40	0	BU	5985	Accessory Wakeup Serial Data	I	LML
41-43	-	-	-	Not Occupied	-	-

K36 Inflatable Restraint Sensing and Diagnostic Module X1



Connector Part Information

Harness Type: Body

OEM Connector: 13887360

Service Connector: No SDC/FSU

Description: 24-Way F 0.64 Series, Sealed (YE)

Terminal Part Information

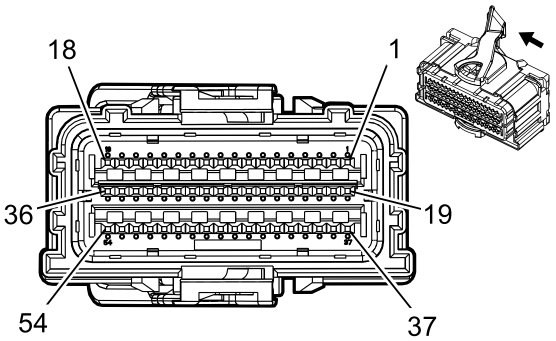
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

K36 Inflatable Restraint Sensing and Diagnostic Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/L-GN	3023	Steering Wheel Module Stage 2 High Control	I	-
2	0.35	WH/OG	3022	Steering Wheel Module Stage 2 Low Control	I	-
3	0.35	BN/OG	3020	Steering Wheel Module Stage 1 Low Control	I	-
4	0.35	OG/VT	3021	Steering Wheel Module Stage 1 High Control	I	-
5	0.35	YE/OG	3025	Passenger IP Module Stage 1 High Control	I	-
6	0.35	OG/WH	3024	Passenger IP Module Stage 1 Low Control	I	-
7	0.35	OG/VT	3026	Passenger IP Module Stage 2 Low Control	I	-
8	0.35	GY/OG	3027	Passenger IP Module Stage 2 High Control	I	-
9	0.5	RD/L-GN	4440	Battery Positive Voltage	I	-
10	0.35	VT/WH	5234	Passenger Seat Belt Indicator	I	-
11	0.35	D-BU	2307	Passenger Air Bag On Indicator Control	I	-
12	0.35	L-GN	2308	Passenger Air Bag Off Indicator Control	I	-
13	0.35	VT/OG	371	Passenger IP Module Disable Switch Signal	I	-
14	0.35	D-BU/OG	7328	Passenger IP Module Disable Switch Return	I	-

15	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
16	-	-	-	Not Occupied	-	-
17	0.5	WH/D-BU	5986	Serial Data Communication Enable	I	-
18	0.5	D-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
19	0.75 0.5	BK/WH BK/WH	2751 2751	Signal Ground Signal Ground	I	-
20	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
21-24	-	-	-	Not Occupied	-	-

K36 Inflatable Restraint Sensing and Diagnostic Module X2



Connector Part Information

Harness Type: Body

OEM Connector: 13944372

Service Connector: No SDC/FSU

Description: 54-Way F 0.64 Series, Sealed (YE)

Terminal Part Information

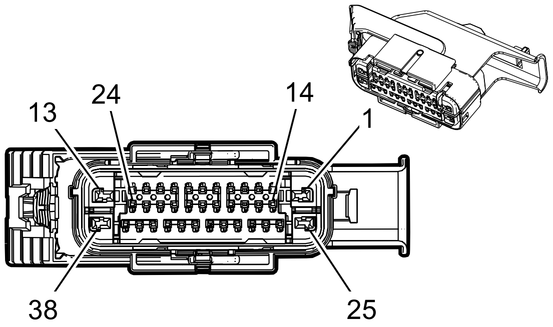
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

K36 Inflatable Restraint Sensing and Diagnostic Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-8	-	-	-	Not Occupied	-	-
9	0.35	OG/YE	3481	Driver Seat Belt Anchor Pretensioner High Control	I	-
10	0.35	YE/OG	3482	Driver Seat Belt Anchor Pretensioner Low Control	I	-
11	0.35	GY/OG	3480	Passenger Seat Belt Anchor Pretensioner Low Control	I	-
12	0.35	OG/BN	3479	Passenger Seat Belt Anchor Pretensioner High Control	I	-
13	0.35	OG/D-BU	3068	Driver Side Impact Module High Control	I	-
14	0.35	L-GN/OG	3069	Driver Side Impact Module Low Control	I	-
15	0.35	BN/OG	3067	Passenger Side Impact Module Low Control	I	-
16	0.35	OG/GY	3066	Passenger Side Impact Module High Control	I	-
17	0.35	OG/L-GN	5019	Left Front Head Curtain Module High Control	I	-
18	0.35	VT/OG	5020	Left Front Head Curtain Module Low Control	I	-
19	0.35	OG/L-GN	2132	Left Front Side Impact Sensing Module Signal	I	-
20	0.35	BK/OG	6628	Left Front Side Impact Sensing Module Low Reference	I	-
21	0.35	BK/OG	6629	Right Front Side Impact Sensing Module Low Reference	I	-

22	0.35	BN/OG	2134	Right Front Side Impact Sensing Module Signal	I	-
23	0.35 0.35	OG/GY OG/YE	6618 354	Middle Front Discriminating Sensor Signal Left Front Discriminating Sensor Signal	I	-
24	0.35 0.35	BK/OG BK/OG	6619 5045	Middle Front Discriminating Sensor Low Reference Left Front Discriminating Sensor Low Reference	I	-
25	0.35	BK/OG	5600	Right Front Discriminating Sensor Low Reference	I	-
26	0.35	OG/L-GN	1409	Right Front Discriminating Sensor Signal	I	-
27	0.35	OG/D-BU	6620	Left Middle Side Impact Sensing Module Signal	I	-
28	0.35	BK/OG	6621	Left Middle Side Impact Sensing Module Low Reference	I	-
29	0.35	BK/OG	6625	Right Middle Side Impact Sensing Module Low Reference	I	-
30	0.35	OG/VT	6624	Right Middle Side Impact Sensing Module Signal	I	-
31-36	-	-	-	Not Occupied	-	-
37	0.5	RD	3477	Driver Seat Belt Retractor Pretensioner High Control	I	-
38	0.5	GY	3478	Driver Seat Belt Retractor Pretensioner Low Control	I	-
39	0.5	WH	3476	Passenger Seat Belt Retractor Pretensioner Low Control	I	-
40	0.5	L-GN	3475	Passenger Seat Belt Retractor Pretensioner High Control	I	-
41	0.35	OG/BN	238	Driver Seat Belt Switch Signal	I	-
42	0.35	OG/L-GN	5055	Driver Seat Position Switch Signal	I	-
43	0.35	BK/OG	1363	Driver Seat Belt Switch Low Reference	I	-
44	0.35	BK/OG	1361	Passenger Seat Belt Switch Low Reference	I	-
45	0.35	OG/VT	1362	Passenger Seat Belt Switch Signal	I	-
46	0.35	OG/D-BU	5056	Passenger Seat Position Switch Signal	I	-
47-52	-	-	-	Not Occupied	-	-
53	0.35	OG/GY	5021	Right Front Head Curtain Module High Control	I	-
54	0.35	WH/OG	5022	Right Front Head Curtain Module Low Control	I	-

K38 Chassis Control Module



Connector Part Information

Harness Type: Chassis

OEM Connector: 13638773

Service Connector: 13574909

Description: 38-Way F 0.64, 2.8, 6.3 Series, Sealed (BK)

Terminal Part Information

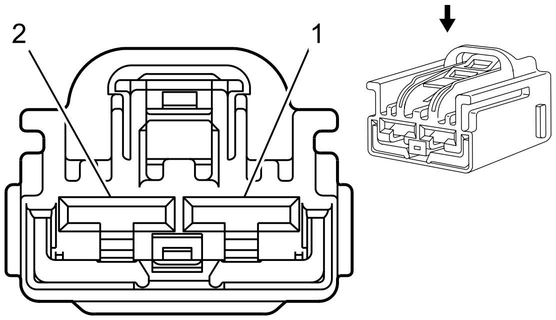
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575408	J-35616-4A (PU)	J-38125-553	15392777	23	D	5
II	13578883	J-35616-64B (L-BU)	J-38125-215A	SAITS-A03T-M064	14	9	9
III	13579766	J-35616-64B (L-BU)	J-38125-215A	SAITS-A03T-M064	14	9	9

K38 Chassis Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	RD/VT	1940	Battery Positive Voltage	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	BN	3891	Aero Shutter Control	II	-
4	0.5	GY	3890	Aero Shutter Control 2	II	-
5	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
6	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
7	-	-	-	Not Occupied	-	-
8	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	-
9-10	-	-	-	Not Occupied	-	-
11	0.5	GY	3890	Aero Shutter Control 2	II	-
12	0.5	BN	3891	Aero Shutter Control	II	-
13-16	-	-	-	Not Occupied	-	-
17	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-

18	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
19-20	-	-	-	Not Occupied	-	-
21	0.75	PU/L-GN	439	Run/Crank Ignition 1 Voltage	III	-
22-24	-	-	-	Not Occupied	-	-
25	2.5	BK	2150	Ground	I	-
26-38	-	-	-	Not Occupied	-	-

K40 Seat Memory Control Module X1



Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 7283-6458-40

Service Connector: 88988507

Description: 2-Way F 6.3 Series (L-GY)

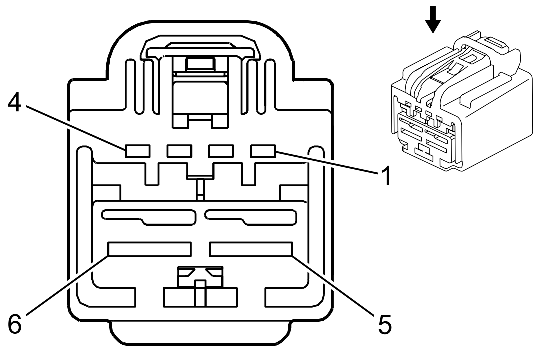
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K40 Seat Memory Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/BN	1140	Battery Positive Voltage	I	-
2	2.5	RD/YE	5040	Battery Positive Voltage	I	-

K40 Seat Memory Control Module X2



Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 7283-9749-30

Service Connector: 88988512

Description: 6-Way F YESC Kaizen Series (BK)

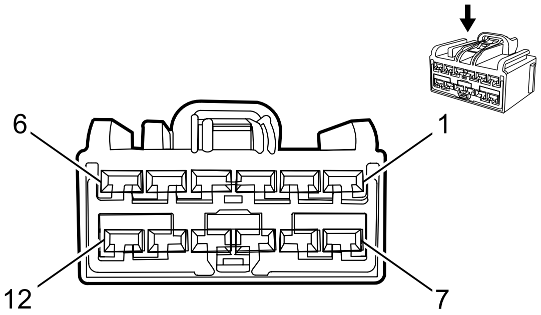
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327110	J-35616-2A (GY)	J-38125-553	12191812	19	E	C
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K40 Seat Memory Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	L-GN/WH	7530	Linear Interconnect Network Bus 8	I	-
4	-	-	-	Not Occupied	-	-
5	2.5	BK	1150	Ground	II	-
6	-	-	-	Not Occupied	-	-

K40 Seat Memory Control Module X3



Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 7283-6467-40

Service Connector: 13580444

Description: 12-Way F 2.8 Kaizen Series (L-GY)

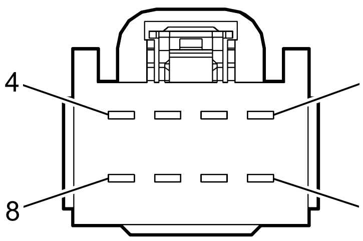
Terminal Part Information

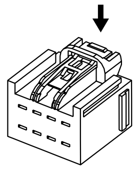
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K40 Seat Memory Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	L-GN/YE	276	Driver Power Seat Recline Motor Forward Control	I	-
2	1.5	L-BU/YE	277	Driver Power Seat Recline Motor Rearward Control	I	-
3	1.5	L-GN/BN	286	Driver Power Seat Front Vertical Motor Up Control	I	-
4	1.5	L-BU/VT	287	Driver Power Seat Front Vertical Motor Down Control	I	-
5	1.5	YE	282	Driver Power Seat Rear Vertical Motor Up Control	I	-
6	1.5	GY/L-BU	283	Driver Power Seat Rear Vertical Motor Down Control	I	-
7	1.5	YE/BN	768	Driver Power Seat Lumbar Motor Up Control	I	-
8	1.5	YE/L-BU	767	Driver Power Seat Lumbar Motor Down Control	I	-
9	1.5	L-BU	611	Driver Power Seat Lumbar Motor Forward Control	I	-
10	1.5	VT	610	Driver Power Seat Lumbar Motor Rearward Control	I	-
11	1.5	YE/L-BU	285	Driver Power Seat Horizontal Motor Forward Control	I	-
12	1.5	GY/L-GN	284	Driver Power Seat Horizontal Motor Rearward Control	I	-

K40 Seat Memory Control Module X4





Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 7283-3243-40

Service Connector: 13581036

Description: 8-Way F 2.8 Series (L-GY)

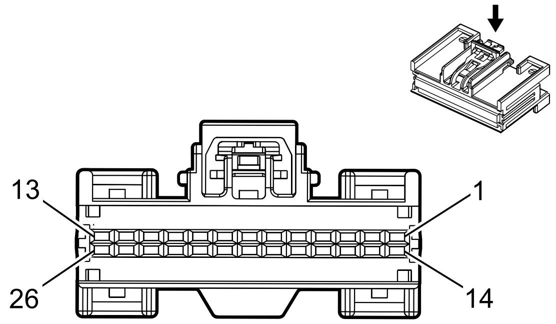
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K40 Seat Memory Control Module X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	L-GN/VT	5130	Adjustable Pedal Actuator Forward Control	I	-
2	1.5	YE	5129	Adjustable Pedal Actuator Rearward Control	I	-
3-8	-	-	-	Not Occupied	-	-

K40 Seat Memory Control Module X5



Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 7287-2043-30

Service Connector: No SDC/FSU

Description: 26-Way F 0.64 Series (BK)

Terminal Part Information

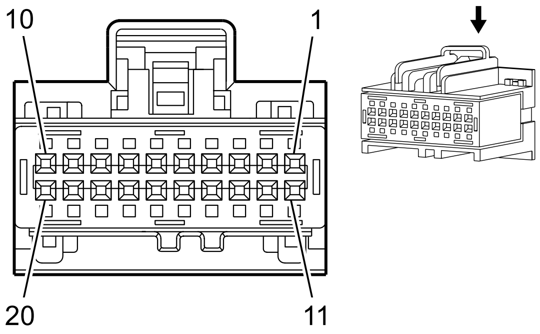
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K40 Seat Memory Control Module X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/RD	3298	Memory Sensor High Reference (2)	I	-
2-3	-	-	-	Not Occupied	-	-
4	0.5	BN	3038	Right Rear Haptic Seat Motor Control	I	-
5	0.5	YE/BN	3037	Left Rear Haptic Seat Motor Control	I	-
6	0.5	BK/GY	6206	Memory Sensor Low Reference	I	-
7	0.5	YE/BN	1522	Power Seat Horizontal Forward Switch Signal	I	-
8	0.5	GY/L-GN	1523	Power Seat Horizontal Rearward Switch Signal	I	-
9	0.5	L-GN/BN	1518	Power Seat Front Vertical Up Switch Signal	I	-
10	0.5	L-BU/VT	1520	Power Seat Front Vertical Down Switch Signal	I	-
11	0.5	L-GN	569	Memory Seat Horizontal Motor Position Sensor Signal	I	-
12	0.5	BN/WH	557	Memory Seat Front Vertical Motor Position Sensor Signal	I	-
13	0.5	WH/RD	6207	Memory Sensor High Reference	I	-
14	0.5	YE	1065	Driver Seat Lumbar Forward Switch Signal	I	-
15	0.5	L-BU/VT	1064	Driver Seat Lumbar Rearward Switch Signal	I	-
16	0.5	WH	1066	Driver Seat Lumbar Up Switch Signal	I	-

17	0.5	YE/BK	1067	Driver Seat Lumbar Down Switch Signal	I	-
18	-	-	-	Not Occupied	-	-
19	0.5	YE	1519	Power Seat Rear Vertical Up Switch Signal	I	-
20	0.5	YE/L-BU	1521	Power Seat Rear Vertical Down Switch Signal	I	-
21	0.5	GY/BK	1269	Power Seat Recline Forward Switch Signal	I	-
22	0.5	L-GN/GY	1270	Power Seat Recline Rearward Switch Signal	I	-
23-24	-	-	-	Not Occupied	-	-
25	0.5	YE/L-BU	568	Memory Seat Rear Vertical Motor Position Sensor Signal	I	-
26	0.5	WH/BK	570	Driver Memory Seat Recline Motor Position Sensor Signal	I	-

K40 Seat Memory Control Module X6



Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 31410-1201

Service Connector: 15126710

Description: 20-Way F 64 Series, Sealed (GY with WH Terminal Position Assurance)

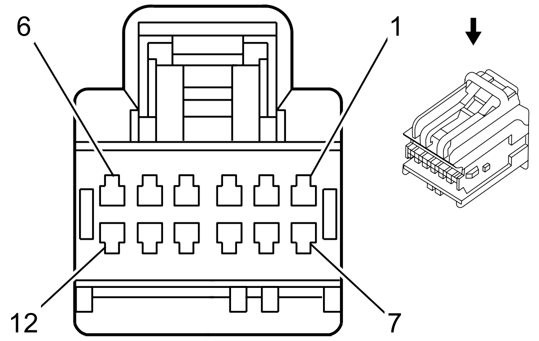
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K40 Seat Memory Control Module X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	0.35	L-BU	5952	Adjustable Pedal Position Sensor Brake Signal	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	L-GN/GY	5286	Adjustable Pedal Switch Forward Signal	I	-
7	0.35	WH/GY	5285	Adjustable Pedal Switch Rearward Signal	I	-
8-10	-	-	-	Not Occupied	-	-
11	0.35	BK/L-BU	5978	Memory Switch Low Reference	I	-
12	0.35	WH	615	Memory Seat Switch Signal (1)	I	-
13-14	-	-	-	Not Occupied	-	-
15	0.35	L-GN/L-BU	614	Memory Seat Switch Set Signal	I	-
16-20	-	-	-	Not Occupied	-	-

K41 Front and Rear Parking Assist Control Module X1



Connector Part Information

Harness Type: Body

OEM Connector: 13551678

Service Connector: 89047364

Description: 12-Way F 0.64 Series (BK)

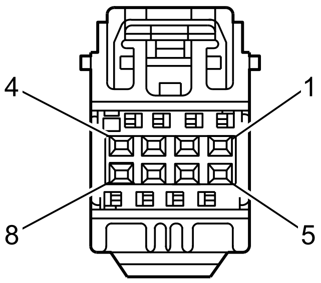
Terminal Part Information

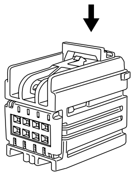
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	13587474	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	P	P

K41 Front and Rear Parking Assist Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/L-GN	3140	Battery Positive Voltage	I	-
2	-	-	-	Not Occupied	-	-
3	0.35	L-GN/BN	5852	Rear Park Assist LED Disable Signal	II	-
4	0.35	L-GN	5060	Low Speed GMLAN Serial Data	II	-
5-6	-	-	-	Not Occupied	-	-
7	0.75	BK/WH	2751	Signal Ground	I	-
8	0.35	GY/L-GN	2555	Rear Park Assist Disable Signal	II	-
9-12	-	-	-	Not Occupied	-	-

K41 Front and Rear Parking Assist Control Module X2





Connector Part Information

Harness Type: Body

OEM Connector: 13551679

Service Connector: 19115653

Description: 8-Way F YESC Kaizen Series (L-GY)

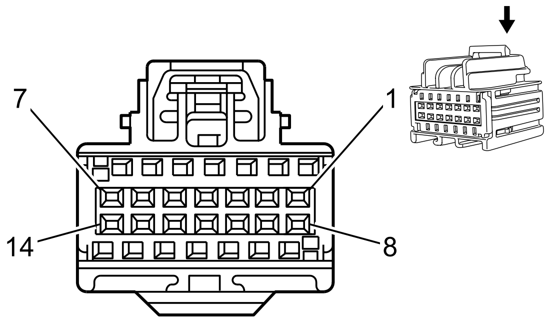
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587474	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	P	P

K41 Front and Rear Parking Assist Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	2375	Left Rear Corner Object Sensor Signal	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	YE/D-BU	2376	Left Rear Middle Object Sensor Signal	I	-
4	0.5	BN/WH	2374	Object Sensor Supply Voltage	I	-
5	0.5	YE/VT	2378	Right Rear Corner Object Sensor Signal	I	-
6	-	-	-	Not Occupied	-	-
7	0.5	YE/WH	2377	Right Rear Middle Object Sensor Signal	I	-
8	0.5	BK/GY	2379	Object Sensor Low Reference	I	-

K41 Front and Rear Parking Assist Control Module X3



Connector Part Information

Harness Type: Body

OEM Connector: 15491263

Service Connector: 15127038

Description: 14-Way F Kaizen 64 Series (BU)

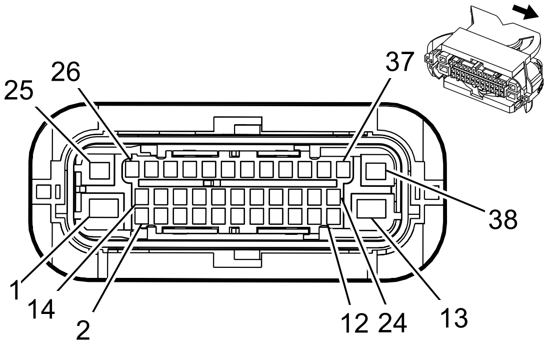
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587474	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	P	P
II	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

K41 Front and Rear Parking Assist Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/VT	5213	Front Parking Left/Right/Mid Sensor	I	-
2-3	-	-	-	Not Occupied	-	-
4	0.5	VT/WH	5215	Front Parking Left Corner Sensor	II	-
5	0.5	YE/GY	5216	Front Parking Left Mid Sensor	II	-
6-7	-	-	-	Not Occupied	-	-
8	0.5	BK/D-BU	5214	Front Parking Sensor Low Reference	II	-
9-10	-	-	-	Not Occupied	-	-
11	0.5	WH/GY	5217	Front Parking Right Corner Sensor	II	-
12	0.5	VT/GY	5218	Front Parking Right Mid Sensor	II	-
13-14	-	-	-	Not Occupied	-	-

K44 Power Take-Off Control Module X1



Connector Part Information

Harness Type: Engine

OEM Connector: 15498534

Service Connector: No SDC/FSU

Description: 38-Way F 1.5 CTS, 2.8 MCP, 4.8 MCP Series, Sealed (BK)

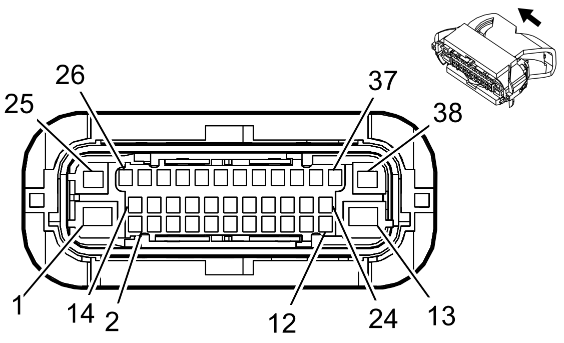
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-42 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

K44 Power Take-Off Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/D-BU	4540	Battery Positive Voltage	I	-
2-12	-	-	-	Not Occupied	-	-
13	1.5	BK/WH	451	Signal Ground	II	-
14	0.5	WH/D-BU	5986	Serial Data Communication Enable	I	-
15	0.5	L-GN/WH	488	Power Take Off Enable Switch	I	-
16-17	-	-	-	Not Occupied	-	-
18	0.5	BN/L-GN	4311	Power Take Off Enable In Cab Switch Normally Closed Signal	I	-
19-24	-	-	-	Not Occupied	-	-
25	0.75	BN/WH	6085	Power Take Off Remote Engine Start Switch Signal	I	-
26	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
27	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
28	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
29	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
30-38	-	-	-	Not Occupied	-	-

K44 Power Take-Off Control Module X2



Connector Part Information

Harness Type: Engine

OEM Connector: 13655518

Service Connector: 13582125

Description: 38-Way F 1.5 CTS, 2.8 MCP, 4.8 MCP Series, Sealed (BK)

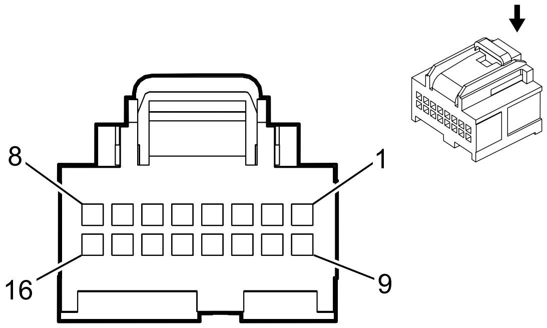
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

K44 Power Take-Off Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-7	-	-	-	Not Occupied	-	-
8	0.75	YE	2522	Power Take Off Status Signal	I	-
9-10	-	-	-	Not Occupied	-	-
11	0.5	VT/D-BU	2562	Power Take Off Relay Coil Control	I	-
12-27	-	-	-	Not Occupied	-	-
28	0.5	WH/L-GN	6142	Power Take Off Engine Shutdown Signal	I	-
29-34	-	-	-	Not Occupied	-	-
35	0.5	D-BU/GY	6089	Power Take Off Remote Switch Set Signal (1)	I	-
36	0.75	D-BU/BN	4408	Power Take Off Enable Signal	I	-
37	0.75	BN	6381	Power Take Off Relay Engage Signal	I	-
38	-	-	-	Not Occupied	-	-

K48 Body Control Module - Auxiliary X1



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13819409

Service Connector: 13582576

Description: 16-Way F 0.64 OCS Series (BK)

Terminal Part Information

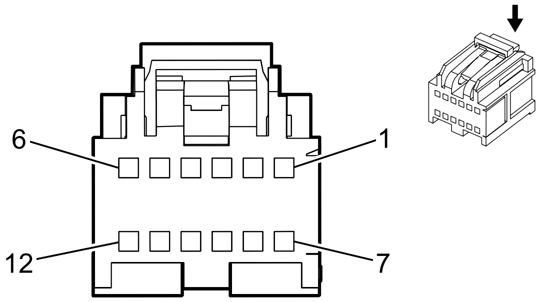
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K48 Body Control Module - Auxiliary X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35 0.35	D-BU GY/YE	655 5149	Cellular Telephone Microphone Signal Voice Recognition Audio Signal	I	-
2	0.35 0.35	BK/BN BK/GY	654 5152	Cellular Telephone Microphone Low Reference Voice Recognition Audio Low Reference	I	-
3-4	-	-	-	Not Occupied	-	-
5	0.35	WH/D-BU	5986	Serial Data Communication Enable	I	-
6	-	-	-	Not Occupied	-	-
7	0.75	RD/VT	340	Battery Positive Voltage	I	-
8	0.75	BK	2550	Ground	I	-
9	0.5	L-GN/WH	7527	Linear Interconnect Network Bus 5	I	-
10	-	-	-	Not Occupied	-	-
11	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
12	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
13	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
14	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
15-16	-	-	-	Not Occupied	-	-

15-16	-	-	-	Not Occupied	-	-

K48 Body Control Module - Auxiliary X2



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13782626

Service Connector: 19329259

Description: 12-Way F 0.64 OCS Series (GY)

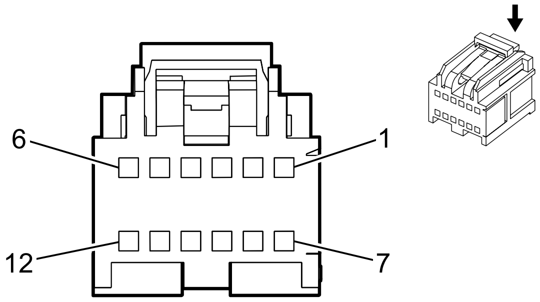
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K48 Body Control Module - Auxiliary X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/VT	3999	MOST Control	I	-
2	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
3	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	GY/YE	6972	Camera Signal #2 +	I	-
6	0.35	WH/D-BU	6973	Camera Signal #2	I	-
7	-	-	-	Not Occupied	-	-
8	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
9	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
10-12	-	-	-	Not Occupied	-	-

K48 Infotainment Faceplate Control Module



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13782626

Service Connector: Pending

Description: 12-Way F 0.64 OCS Series (GY)

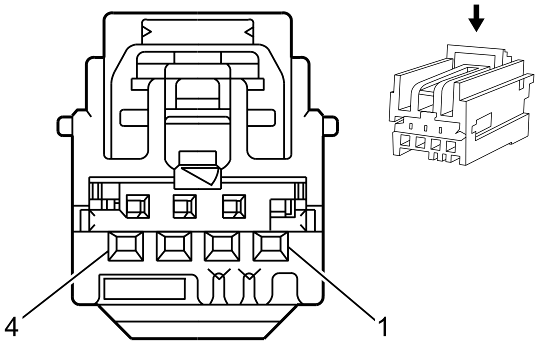
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

K48 Infotainment Faceplate Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/VT	3999	MOST Control	I	-
2	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
3	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	GY/YE	6972	Camera Signal #2 +	I	-
6	0.35	WH/D-BU	6973	Camera Signal #2	I	-
7	-	-	-	Not Occupied	-	-
8	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
9	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
10-12	-	-	-	Not Occupied	-	-

K55D Seat Blower Assembly - Driver Cushion



Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 7283-9016-30

Service Connector: 19149305

Description: 4-Way F (BK)

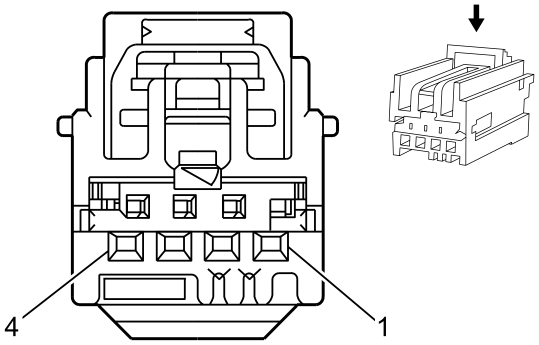
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K55D Seat Blower Assembly - Driver Cushion

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/L-GN	5140	Battery Positive Voltage	I	-
2	0.75	BN/VT	2077	Driver Heated Seat Element Supply Voltage	I	-
3	0.35	L-GN/VT	5906	Driver Seat Vent Motor Control (1)	I	-
4	0.75	BK	1150	Ground	I	-

K55P Seat Blower Assembly - Passenger Cushion



Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 7283-9016-30

Service Connector: 19149305

Description: 4-Way F (BK)

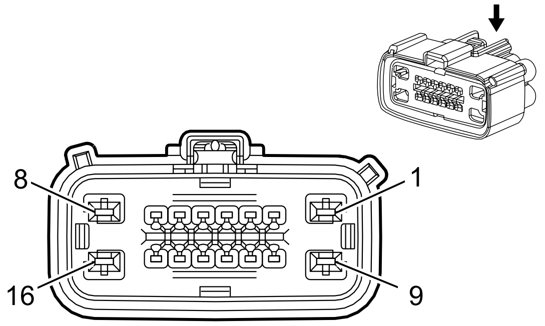
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K55P Seat Blower Assembly - Passenger Cushion

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/L-GN	6140	Battery Positive Voltage	I	-
2	0.75	BN/L-BU	2479	Passenger Heated Seat Element Supply Voltage	I	-
3	0.35	VT/WH	5908	Passenger Seat Vent Motor Control (1)	I	-
4	0.75	BK	1250	Ground	I	-

K67 Trailer Brake Control Module



Connector Part Information

Harness Type: Chassis

OEM Connector: 13991106

Service Connector: Service by Harness - See Part Catalog

Description: 16-Way F 1.5, 2.8 Series, Sealed (D-GY)

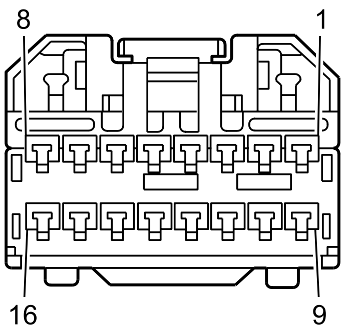
Terminal Part Information

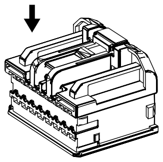
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576375	J-35616-35 (VT)	J-38125-12A	1326030-8	17	4	D
II	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2

K67 Trailer Brake Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	RD/L-GN	242	Battery Positive Voltage	I	-
2	0.5	WH/BK	2223	Trailer Brake Control Signal	II	-
3-4	-	-	-	Not Occupied	-	-
5	0.5	YE/BK	2224	Trailer Brake Enable Signal	II	-
6-7	-	-	-	Not Occupied	-	-
8	2.5	D-BU	47	Trailer Auxiliary Supply Voltage	I	-
9	2.5	BK	1750	Ground	I	-
10-11	-	-	-	Not Occupied	-	-
12	0.5	GY	2225	Trailer Brake Current Feedback Signal	II	-
13	-	-	-	Not Occupied	-	-
14	0.5	D-BU	47	Trailer Auxiliary Supply Voltage	II	-
15-16	-	-	-	Not Occupied	-	-

K69 Transfer Case Control Module X1





Connector Part Information

Harness Type: Brake Clutch Jumper

OEM Connector: 13547237

Service Connector: 88988778

Description: 16-Way F 1.5 Series (GY)

Terminal Part Information

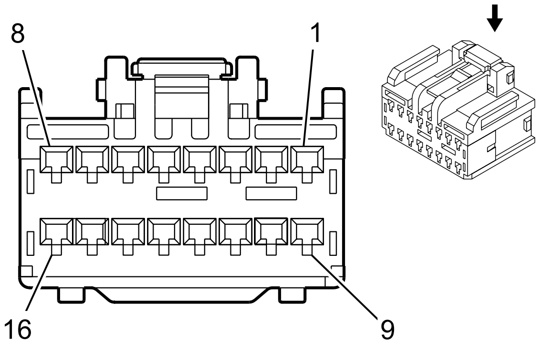
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	15496302	5	E	A
II	Pending	J-35616-2A (GY)	J-38125-553	8240-0127	22	E	C
III	Pending	J-35616-2A (GY)	J-38125-553	8240-0128	22	C	A

K69 Transfer Case Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BK	7478	Rotary Position Sensor Return	I	-
2	0.5	WH/L-GN	7479	Rotary Position Sensor Signal	II	-
3	0.35	YE	7474	Incremental Encoder Direction Signal	II	-
4	0.5	GY/BK	1570	Front Axle Actuator Control	I	-
5	0.35	D-BU/GY	7473	Incremental Encoder Impulse Signal	II	-
6	0.35	GY/RD	6029	Four Wheel Drive Mode Switch 5 Volt Reference	I	-
7	0.35	D-BU/YE	1693	Four Wheel Drive Switch Signal	I	-
8	-	-	-	Not Occupied	-	-
9	0.5	WH/RD	7477	Rotary Position Sensor Supply 5V	II	-
10	0.35	WH/L-GN	7475	Incremental Encoder Sensor (8V) Supply	II	-
11	0.35	VT	7476	Incremental Encoder Sensor Return	II	-
12	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator	I	-
13	1	YE/BN	1569	Transfer Case Lock Solenoid Control	III	-

14-16	-	-	-	Not Occupied	-	-

K69 Transfer Case Control Module X2



Connector Part Information

Harness Type: Brake Clutch Jumper

OEM Connector: 15489823

Service Connector: 15134091

Description: 16-Way F 1.5 Series (BK)

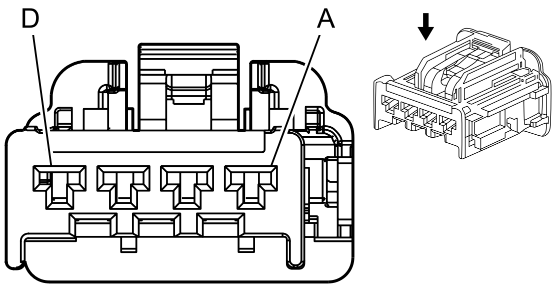
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	15496302	5	E	A

K69 Transfer Case Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.35	VT/WH	1565	4 LO Indicator Control	I	-
4	0.35	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	VT/YE	5985	Accessory Wakeup Serial Data	I	-
7	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
8	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
9-10	-	-	-	Not Occupied	-	-
11	0.35	GY/L-GN	1561	AWD Indicator Control	I	-
12	0.35	BN	1560	Neutral Indicator Control	I	-
13	0.35	L-GN/BK	1563	2 HI Indicator Control	I	-
14	0.35	BN/BK	1566	4 HI Indicator Control	I	-
15	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
16	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-

K69 Transfer Case Control Module X3



Connector Part Information

Harness Type: Brake Clutch Jumper

OEM Connector: 15466671

Service Connector: 19149301

Description: 4-Way F 280 GT Series (L-GY)

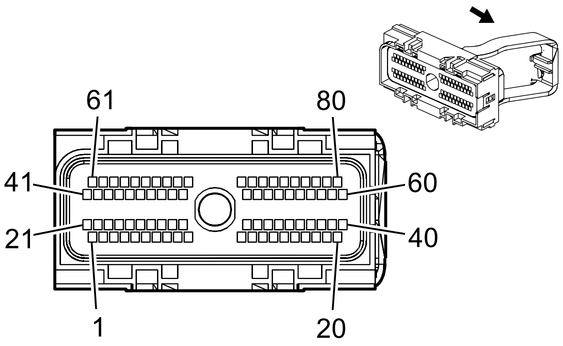
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-4A (PU)	J-38125-553	15304713	19	F	D

K69 Transfer Case Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	4	YE/VT	1553	Transfer Case Motor Counter Clockwise Control	I	-
B	4	YE/GY	1552	Transfer Case Motor Clockwise Control	I	-
C	3	RD/GY	1342	Battery Positive Voltage	I	-
D	3	BK	550	Ground	I	-

K71 Transmission Control Module



Connector Part Information

Harness Type: Engine

OEM Connector: 15499493

Service Connector: 88988938

Description: 80-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2

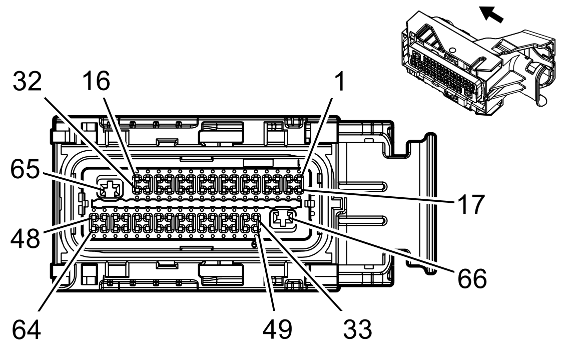
K71 Transmission Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	II	-
3-5	-	-	-	Not Occupied	-	-
6	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
7-8	-	-	-	Not Occupied	-	-
9	0.75	BK/WH	451	Signal Ground	I	-
10	0.75	RD/L-GN	1840	Battery Positive Voltage	I	-
11	0.75	YE	1228	Transmission Force Motor Supply Voltage (1)	I	-
12-13	-	-	-	Not Occupied	-	-
14	0.5	GY	773	Transmission Position Switch Bit 3 Signal	II	-
15-16	-	-	-	Not Occupied	-	-
17	0.75	PU/GY	1224	Transmission Fluid Pressure Switch Signal Bit 1	I	-
18-19	-	-	-	Not Occupied	-	-
20	0.5	BK/D-BU	1984	Transmission Turbine Speed Switch Low Reference	II	-

21-24	-	-	-	Not Occupied	-	-
25	0.5	BN/VT	6399	Replicated TOS Signal	II	-
26	-	-	-	Not Occupied	-	-
27	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
28-32	-	-	-	Not Occupied	-	-
33	0.75	YE/BK	1223	2 Shift Solenoid Valve Control	I	-
34	0.5	WH	776	Transmission Position Switch Parity Bit Signal	II	-
35	-	-	-	Not Occupied	-	-
36	0.75	BN/BK	2469	Transmission Force Motor Return (2)	I	-
37-39	-	-	-	Not Occupied	-	-
40	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	II	-
41-42	-	-	-	Not Occupied	-	-
43	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	-
44-46	-	-	-	Not Occupied	-	-
47	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	II	-
48-50	-	-	-	Not Occupied	-	-
51	0.75	WH/BN	2527	Shift Solenoid Control (5)	I	-
52	0.75	WH/L-GN	1222	1 Shift Solenoid Valve Control	I	-
53	0.5	YE	772	Transmission Position Switch Bit 2 Signal	II	-
54	0.75	YE/BK	1227	Transmission Temperature Sensor Signal	I	-
55	0.75	VT/BK	1229	Transmission Force Motor Return (1)	I	-
56	-	-	-	Not Occupied	-	-
57	0.75	WH/BN	1226	Transmission Fluid Pressure Switch Signal Bit 3	I	-
58	0.75	BK/D-BU	2762	Transmission Fluid Temperature Sensor Low Reference	I	-
59	-	-	-	Not Occupied	-	-
60	0.5	VT/WH	821	Vehicle Speed Sensor Signal	II	-
61-62	-	-	-	Not Occupied	-	-
63	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	II	-
64-65	-	-	-	Not Occupied	-	-
66	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	II	-
67-68	-	-	-	Not Occupied	-	-

69	0.75	BK/WH	451	Signal Ground	I	-
70	0.75	RD/L-GN	1840	Battery Positive Voltage	I	-
71	0.75	BN/VT	323	Shift Solenoid Supply Voltage	I	-
72	-	-	-	Not Occupied	-	-
73	0.5	BN/WH	771	Transmission Position Switch Bit 1 Signal	II	-
74	0.75	L-GN/WH	1530	Transmission Mainline Pressure Solenoid Control	I	-
75-76	-	-	-	Not Occupied	-	-
77	0.75	L-GN/BK	2529	Transmission Fluid Pressure Switch Signal Bit 4	I	-
78	0.75	BN/VT	418	Torque Converter Clutch PWM Solenoid Control	I	-
79	0.75	L-GN/VT	1225	Transmission Fluid Pressure Switch Signal Bit 2	I	-
80	0.5	WH/BK	1983	Transmission Turbine Speed Switch Signal	II	-

K71 Transmission Control Module (M5U)



Connector Part Information

Harness Type: Engine

OEM Connector: 13965710

Service Connector: Not Available

Description: 66-Way F 0.64, 2.8 Series, Sealed (BK with BK Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13579769	J-35616-4A (PU)	J-38125-11A	7116-4151-02	9	Not Available	Not Available

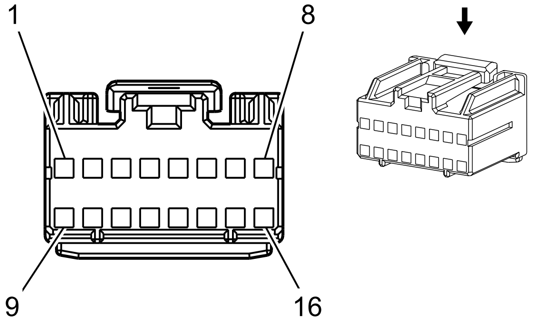
K71 Transmission Control Module (M5U)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/D-BU	4507	Transmission Clutch H Control	I	-
2	0.5 0.75	D-BU D-BU	6401 6401	Clutch B Control Clutch B Control	I	-
3	0.5	GY/L-GN	6403	Clutch D Control	I	-
4-6	-	-	-	Not Occupied	-	-
7	0.5 0.75	YE/L-GN YE/L-GN	4170 4170	Transmission Sensor B Voltage Reference 9V Transmission Sensor B Voltage Reference 9V	I	-
8	0.5 0.75	YE/D-BU YE/D-BU	4171 4171	Transmission Sensor A Voltage Reference 9V Transmission Sensor A Voltage Reference 9V	I	-
9	0.75	WH/BN	1226	Transmission Fluid Pressure Switch Signal Bit 3	I	-
10	0.75	L-GN/BK	2529	Transmission Fluid Pressure Switch Signal Bit 4	I	-
11-12	-	-	-	Not Occupied	-	-
13	0.5	L-GN/VT	4510	Transmission Intermediate Speed Signal	I	-
14	0.5 0.75	GY/D-BU GY/D-BU	6358 6358	Output Speed Signal Output Speed Signal	I	-
15	0.5	L-GN/YE	6353	Input Speed Signal	I	-

15	0.5 0.75	L-GN/YE L-GN/YE	6353 6353	Input Speed Signal Input Speed Signal	I	-
16	-	-	-	Not Occupied	-	-
17	0.5 0.75	WH WH	4508 4508	Transmission Clutch G Control Transmission Clutch G Control	I	-
18	0.5 0.75	BN BN	6400 6400	Clutch A Control Clutch A Control	I	-
19	0.5 0.75	GY GY	6402 6402	Clutch C Control Clutch C Control	I	-
20	0.5	YE/BN	6404	Clutch E Control	I	-
21	0.5 0.75	L-GN/WH WH/BN	6380 2527	TCC On/Off Solenoid A Control Shift Solenoid Control (5)	I	-
22	0.5	YE/BN	6210	TCC On/Off Solenoid B Control	I	-
23	0.75	WH/L-GN	1222	1 Shift Solenoid Valve Control	I	-
24	0.75	YE/BK	1223	2 Shift Solenoid Valve Control	I	-
25	0.5	BK/GY	3927	IMS Mode Switch Return	I	-
26	0.5	WH/BK	5983	PRNDL C Signal	I	-
27	0.5	VT/WH	5981	PRNDL A Signal	I	-
28	0.5 0.75	BK/BN BK/BN	586 586	Transmission Oil Temperature Sensor Low Reference Transmission Oil Temperature Sensor Low Reference	I	-
29-32	-	-	-	Not Occupied	-	-
33	0.75	L-GN/GY	6387	Transmission High Side Driver #1 Signal Driver	I	-
34	-	-	-	Not Occupied	-	-
35	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	I	-
36	0.75	L-GN/VT	1225	Transmission Fluid Pressure Switch Signal Bit 2	I	-
37	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
38	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
39-46	-	-	-	Not Occupied	-	-
47	0.5	GY/YE	4169	PRNDL S Signal	I	-
48	-	-	-	Not Occupied	-	-
49	0.75	GY/BN	6388	Transmission High Side Driver #2 Signal	I	-
50	-	-	-	Not Occupied	-	-
51	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	-

52	0.75	PU/GY	1224	Transmission Fluid Pressure Switch Signal Bit 1	I	-
53	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
54	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
55	0.5	GY/WH	4168	PRNDL P Signal	I	-
56-57	-	-	-	Not Occupied	-	-
58	0.5	GY/BN	5982	PRNDL B Signal	I	-
59	0.5	GY/WH	4168	PRNDL P Signal	I	-
60	0.5	WH/BK	5983	PRNDL C Signal	I	-
61	0.5	GY/BN	5982	PRNDL B Signal	I	-
62	0.5	VT/WH	5981	PRNDL A Signal	I	-
63	0.5 0.75	BN/WH BN/WH	585 585	Transmission Oil Temperature Sensor Signal Transmission Oil Temperature Sensor Signal	I	-
64	-	-	-	Not Occupied	-	-
65	0.75	BK/WH	451	Signal Ground	II	-
66	0.75	RD/L-GN	1840	Battery Positive Voltage	II	-

K73 Telematics Communication Interface Control Module X1



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 15431362

Service Connector: 15306351

Description: 16-Way F Micro Pack 100A Series (NA)

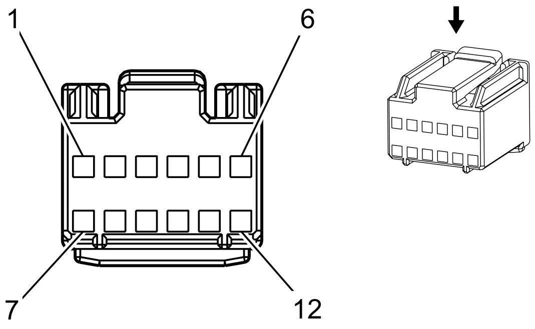
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-16 (L-GN)	J-38125-559	15445905	23	J	J

K73 Telematics Communication Interface Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
2	0.35	BN/WH	2517	Keypad Red LED	I	-
3	0.35	YE/VT	2516	Keypad Green LED	I	-
4-5	-	-	-	Not Occupied	-	-
6	0.35	L-GN/BK	2515	Keypad Supply Voltage	I	-
7	0.35	BK	2550	Ground	I	-
8-9	-	-	-	Not Occupied	-	-
10	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
11	0.35	L-GN/WH	2514	Keypad Signal	I	-
12	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
13-14	-	-	-	Not Occupied	-	-
15	0.35	RD/D-BU	3240	Battery Positive Voltage	I	-
16	-	-	-	Not Occupied	-	-

K73 Telematics Communication Interface Control Module X2



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 15431365

Service Connector: 88952886

Description: 12-Way F Micro Pack 100A Series (NA)

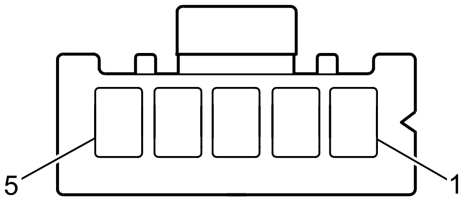
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-16 (L-GN)	J-38125-559	15445905	23	J	J

K73 Telematics Communication Interface Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	658	Cellular Telephone Voice Signal	I	-
2	0.35	BK/YE	659	Cellular Telephone Voice Low Reference	I	-
3	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
4	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
5	0.5	BARE	1792	Drain Wire	I	-
6	0.35	GY/YE	5149	Voice Recognition Audio Signal	I	-
7	0.35	WH/D-BU	5986	Serial Data Communication Enable	I	-
8	0.35	BARE	1782	Drain Wire	I	-
9	0.35	D-BU	655	Cellular Telephone Microphone Signal	I	-
10	0.35	BK/BN	654	Cellular Telephone Microphone Low Reference	I	-
11	-	-	-	Not Occupied	-	-
12	0.35	BK/GY	5152	Voice Recognition Audio Low Reference	I	-

K81L Headlamp High Beam Control Module - Left



Connector Part Information

Harness Type:

OEM Connector: XARP-05V

Service Connector: Service by Harness – See Part Catalog

Description: 5 F XA Series (BK)

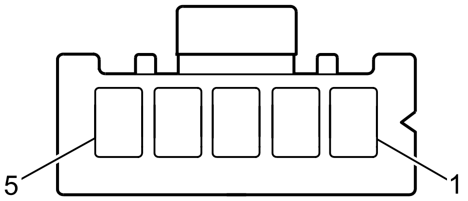
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K81L Headlamp High Beam Control Module - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY	-	High Beam Solenoid +	I	Z88
2	0.5	TN	-	High Beam Solenoid -	I	Z88
3	-	-	-	Not Occupied	-	-
4	0.5	BK	150	Ground	I	Z88
5	0.5	BU	711	Left Headlamp High Beam Supply Voltage	I	Z88

K81R Headlamp High Beam Control Module - Right



Connector Part Information

Harness Type:

OEM Connector: XARP-05V

Service Connector: Service by Harness – See Part Catalog

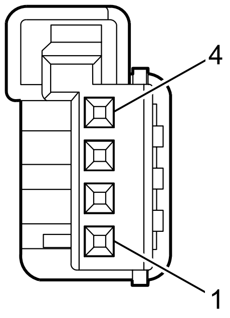
Description: 5 F XA Series (BK)

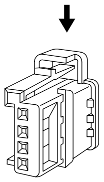
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K81R Headlamp High Beam Control Module - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY	-	High Beam Solenoid +	I	Z88
2	0.5	TN	-	High Beam Solenoid -	I	Z88
3	-	-	-	Not Occupied	-	-
4	0.5	BK	250	Ground	I	Z88
5	0.5	BU	311	Right Headlamp High Beam Supply Voltage	I	Z88





Connector Part Information

Harness Type: Body

OEM Connector: 10768790

Service Connector: 13584096

Description: 4-Way F 0.64 Micro Quadlok Series (BK)

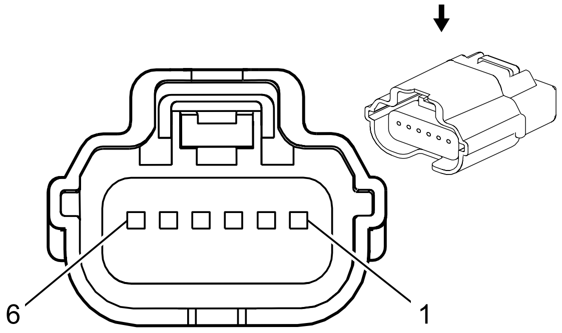
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	H	H

K84 Keyless Entry Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	3273	Remote Function Actuator Return	I	-
2	0.35	YE/L-GN	3274	Remote Function Actuator Transmit Signal	I	-
3	0.35	D-BU/WH	3275	Remote Function Actuator Receive Signal	I	-
4	0.35	GY/WH	3272	Remote Function Actuator Supply Voltage	I	-

K85 Passenger Presence Detection Module



Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 31404-6132

Service Connector: No SDC/FSU

Description: 6-Way F 0.64 Series, Sealed (BK)

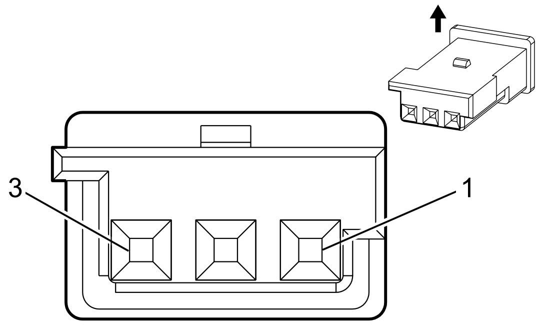
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K85 Passenger Presence Detection Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/L-GN	4440	Battery Positive Voltage	I	-
2	0.35 0.5	L-GN L-GN	5060 5060	Low Speed GMLAN Serial Data Low Speed GMLAN Serial Data	I	-
3	-	-	-	Not Occupied	-	-
4	0.35	BK/WH	2751	Signal Ground	I	-
5	0.35	L-BU/RD	5612	Passenger Seat Belt Tension Sensor Voltage Reference	I	-
6	0.35	VT/OG	5611	Passenger Seat Belt Tension Sensor Signal	I	-

K89 Immobilizer Control Module



Connector Part Information

Harness Type:

OEM Connector: 4-1718346-1

Service Connector: 13576530

Description: 3 F Micro Quadlock Series (PU)

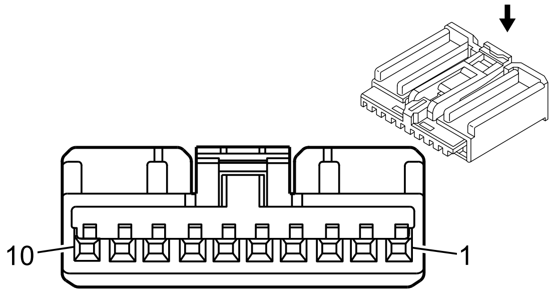
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K89 Immobilizer Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/GY	3277	Vehicle Anti-Theft System Immobilizer Return	I	-
2	0.5	GN/VT	7533	Linear Interconnect Network Bus 11	I	-
3	0.5	GY/BK	3276	Vehicle Anti-Theft System Immobilizer Supply Voltage	I	-

K109 Frontview Camera Module



Connector Part Information

Harness Type: Headliner

OEM Connector: 13574592

Service Connector: 13576634

Description: 10-Way F 0.64 Kaizen Series (BK)

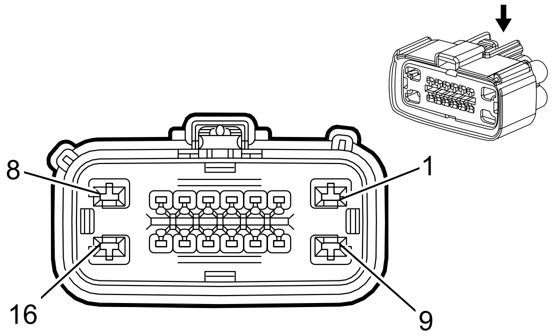
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

K109 Frontview Camera Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	1050	Ground	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	RD/L-GN	3140	Battery Positive Voltage	I	-
4	0.35	WH	3152	Lane Departure Warning Indicator Control	I	-
5-6	-	-	-	Not Occupied	-	-
7	0.35	L-GN	5060	Low Speed GMLAN Serial Data	I	-
8-9	-	-	-	Not Occupied	-	-
10	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	I	-

K111 Fuel Pump Driver Control Module



Connector Part Information

Harness Type: Chassis

OEM Connector: 15500308

Service Connector: Not Available

Description: 16-Way F 1.5, 2.8 Series, Sealed

Terminal Part Information

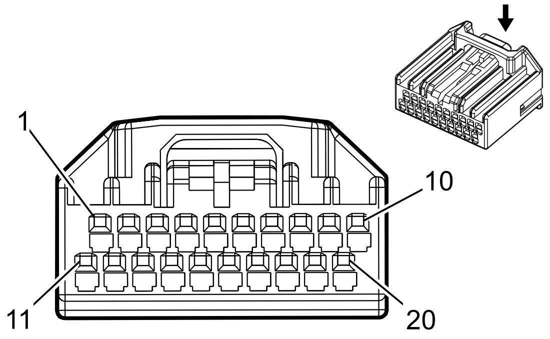
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576375	J-35616-35 (VT)	J-38125-12A	1326030-8	17	4	D
II	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2

K111 Fuel Pump Driver Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	RD/VT	1940	Battery Positive Voltage	I	-
2	0.5	GY	5660	Fuel Pump Controller Data Out Signal	II	-
3	-	-	-	Not Occupied	-	-
4	0.5	D-BU/BK	7493	High Speed GMLAN Serial Data (+)(3)	II	-
5	0.5	WH	7494	High Speed GMLAN Serial Data (-)(3)	II	-
6	0.5	VT/L-GN	439	Run/Crank Ignition 1 Voltage	II	-
7	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	-
8	2.5	GY	120	Fuel Pump Supply Voltage	I	-
9	2.5	BK	2150	Ground	I	-
10	-	-	-	Not Occupied	-	-
11	0.5	D-BU/BK	7493	High Speed GMLAN Serial Data (+)(3)	II	-
12	0.5	D-BU/BK	7493	High Speed GMLAN Serial Data (+)(3)	II	-
13	0.5	WH	7494	High Speed GMLAN Serial Data (-)(3)	II	-
14	0.5	WH	7494	High Speed GMLAN Serial Data (-)(3)	II	-

15	0.5	D-BU	7444	Fuel System Control Module Shield	II	-
16	2.5	BK/L-GN	1580	Fuel Pump Low Reference	I	-

K166L Multifunction LED Control Module - Left Headlamp



Connector Part Information

Harness Type:

OEM Connector: MX34020SF1

Service Connector: Service by Harness – See Part Catalog

Description: 20 F 0.64 Series (GY)

Terminal Part Information

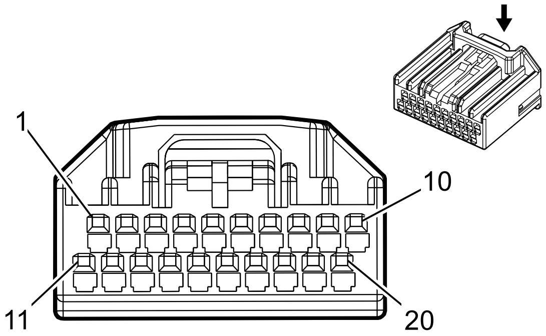
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K166L Multifunction LED Control Module - Left Headlamp

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	7538	Left Front DRL Supply Voltage	I	Z88
2	0.5	WH	709	Left Park Lamp Supply Voltage	I	Z88
3	0.5	WH	709	Left Park Lamp Supply Voltage	I	Z88
4	0.5	OG	-	Park/DRL LED +	I	Z88
5	0.5	VT	-	Park/DRL LED -	I	Z88
6	0.5	WH	-	Ground	I	Z88
7	0.5	RD	-	Park LED -	I	Z88
8	0.5	YE	-	Park LED +	I	Z88
9-10	-	-	-	Not Occupied	-	-
11	0.5	BK	150	Ground	I	Z88
12	0.5	D-BU	-	Park CTN	I	Z88
13	0.5	D-GN	-	Park BIN	I	Z88
14	0.5	PK	-	DRL CTN	I	Z88
15	0.5	L-GN	-	DRL BIN	I	Z88
16	0.5	L-BU	-	Ground	I	Z88

17	-	-	-	Not Occupied	-	-
18	0.5	L-BU	-	Ground	I	Z88
19	-	-	-	Not Occupied	-	-
20	0.5	BK	150	Ground	I	Z88

K166R Multifunction LED Control Module - Right Headlamp



Connector Part Information

Harness Type:

OEM Connector: MX34020SF1

Service Connector: Service by Harness – See Part Catalog

Description: 20 F 0.64 Series (GY)

Terminal Part Information

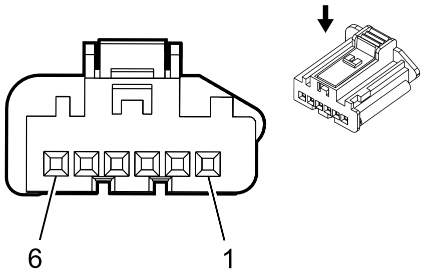
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

K166R Multifunction LED Control Module - Right Headlamp

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	7539	Right Front DRL Supply Voltage	I	Z88
2	0.5	WH	309	Right Park Lamp Supply Voltage	I	Z88
3	0.5	WH	309	Right Park Lamp Supply Voltage	I	Z88
4	0.5	OG	-	Park/DRL LED +	I	Z88
5	0.5	VT	-	Park/DRL LED -	I	Z88
6	0.5	WH	-	Ground	I	Z88
7	0.5	RD	-	Park LED -	I	Z88
8	0.5	YE	-	Park LED +	I	Z88
9-10	-	-	-	Not Occupied	-	-
11	0.5	BK	250	Ground	I	Z88
12	0.5	D-BU	-	Park CTN	I	Z88
13	0.5	D-GN	-	Park BIN	I	Z88
14	0.5	PK	-	DRL CTN	I	Z88
15	0.5	L-GN	-	DRL BIN	I	Z88
16	0.5	L-BU	-	Ground	I	Z88

17	-	-	-	Not Occupied	-	-
18	0.5	L-BU	-	Ground	I	Z88
19	-	-	-	Not Occupied	-	-
20	0.5	BK	250	Ground	I	Z88

M4 Air Inlet Actuator



Connector Part Information

Harness Type: HVAC

OEM Connector: 13576054

Service Connector: Service by Harness - See Part Catalog

Description: 6-Way F 0.64 Micro Quadlock Series (BK)

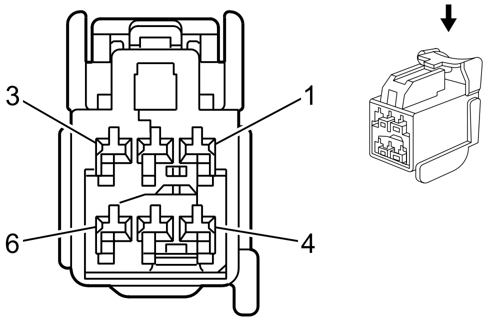
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M4 Air Inlet Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	-
2	0.35	VT/L-GN	1838	Recirculation Door Position Signal	I	-
3	0.35	GY/RD	598	5 Volt Reference	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	D-GN	1614	Recirculation Door Control	I	-
6	0.35	YE/BK	2274	Recirculation Door Control	I	-

M5 Adjustable Pedal Motor



Connector Part Information

Harness Type: Brake Clutch Jumper

OEM Connector: 10846805

Service Connector: Service by Harness - See Part Catalog

Description: 6-Way F 1.5 Kaizen Series (L-GY)

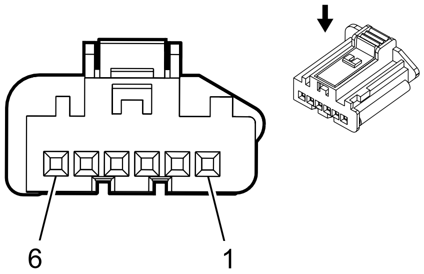
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	2	4
II	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2

M5 Adjustable Pedal Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	L-GN/VT	5130	Adjustable Pedal Actuator Forward Control	I	-
2	0.5	D-BU	5952	Adjustable Pedal Position Sensor Brake Signal	II	-
3	0.5	BK/GY	6206	Memory Sensor Low Reference	II	-
4	1.5	YE	5129	Adjustable Pedal Actuator Rearward Control	I	-
5	0.5	WH/RD	6207	Memory Sensor High Reference	II	-
6	-	-	-	Not Occupied	-	-

M6L Air Temperature Door Actuator - Left



Connector Part Information

Harness Type: HVAC

OEM Connector: 13576054

Service Connector: Service by Harness - See Part Catalog

Description: 6-Way F 0.64 Micro Quadlock Series (BK)

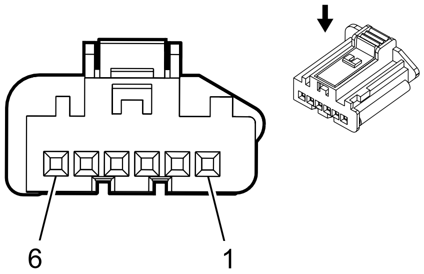
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M6L Air Temperature Door Actuator - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	-
2	0.35	D-BU/YE	733	Air Temperature Door Position Signal	I	-
3	0.35	GY/RD	598	5 Volt Reference	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	L-BU/BN	1199	Air Temperature Door Control	I	-
6	0.35	GY/D-GN	2210	Air Temperature Door Control	I	-

M6R Air Temperature Door Actuator - Right



Connector Part Information

Harness Type: HVAC

OEM Connector: 13576054

Service Connector: Service by Harness - See Part Catalog

Description: 6-Way F 0.64 Micro Quadlock Series (BK)

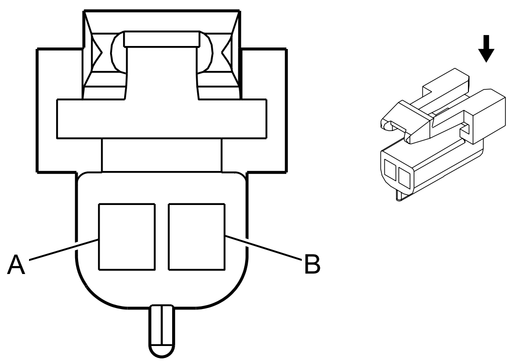
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M6R Air Temperature Door Actuator - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	-
2	0.35	BN/L-BU	1646	Passenger Air Temperature Door Position Signal	I	-
3	0.35	GY/RD	598	5 Volt Reference	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	WH/BK	1236	Passenger Air Temperature Door Control	I	-
6	0.35	GY/BK	2778	Passenger Air Temperature Motor Control	I	-

M7 Transmission Shift Lock Control Solenoid Actuator



Connector Part Information

Harness Type:

OEM Connector: 12052832

Service Connector: 13583033

Description: 2 F 150 Metri Pack Series (BK)

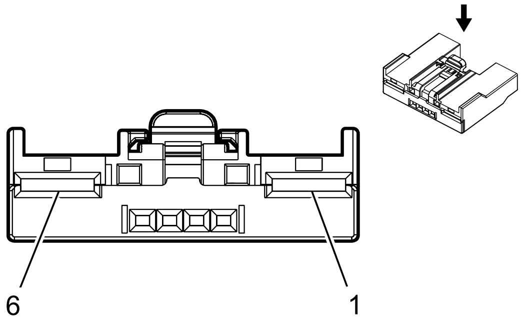
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M7 Transmission Shift Lock Control Solenoid Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/WH	816	Brake Transmission Shift Interlock Solenoid Control	I	-
B	0.5	BK/WH	1851	Signal Ground	I	-

M8 Blower Motor



Connector Part Information

Harness Type: HVAC

OEM Connector: 10864043

Service Connector: 19299711

Description: 6-Way F 0.64 GET, 6.3 Series (BK)

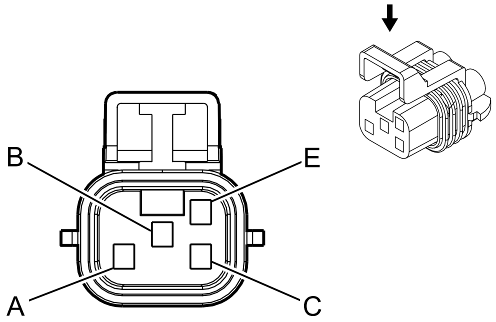
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M8 Blower Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	4	RD/VT	542	Battery Positive Voltage	I	-
2	0.35	D-BU/GY	754	Blower Motor Speed Control	I	-
3-5	-	-	-	Not Occupied	-	-
6	5	BK	1050	Ground	I	-

M26 Front Axle Engagement Actuator



Connector Part Information

Harness Type: Front Axle

OEM Connector: 15324541

Service Connector: SEE NOTE

Description: 4-Way F 150 Metri Pack Series, Sealed (BU)

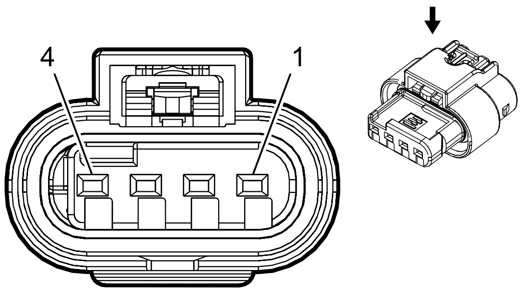
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1

M26 Front Axle Engagement Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator	I	-
B	0.5	GY/BK	1570	Front Axle Actuator Control	I	-
C	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	I	-
D	-	-	-	Not Occupied	-	-
E	0.5	BK	550	Ground	I	-

M26 Front Axle Engagement Actuator



Connector Part Information

Harness Type: Front Axle

OEM Connector: 13817132

Service Connector: 19300397

Description: 4-Way F 1.2 Multiple Contact Point Series, Sealed (BK)

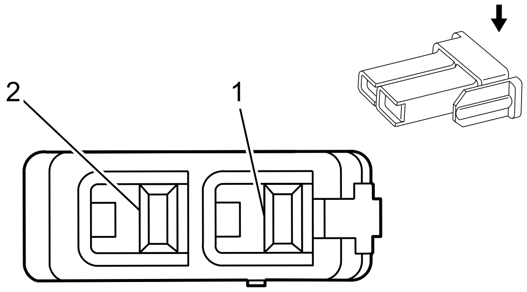
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M26 Front Axle Engagement Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	I	-
2	0.5	GY/BK	1570	Front Axle Actuator Control	I	-
3	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator	I	-
4	0.5	BK	550	Ground	I	-

M28L High Beam Solenoid Actuator - Left



Connector Part Information

Harness Type:

OEM Connector: XLP-02V

Service Connector: Service by Harness – See Part Catalog

Description: 2 F XL Series (WH)

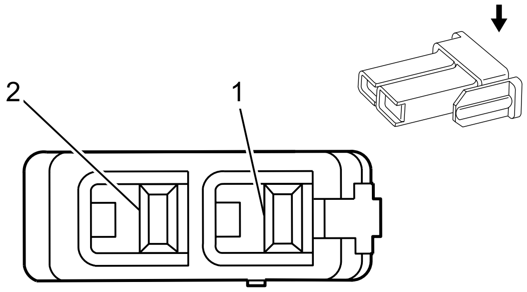
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M28L High Beam Solenoid Actuator - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	TN	-	High Beam Solenoid -	I	Z88
2	0.5	GY	-	High Beam Solenoid +	I	Z88

M28R High Beam Solenoid Actuator - Right



Connector Part Information

Harness Type:

OEM Connector: XLP-02V

Service Connector: Service by Harness – See Part Catalog

Description: 2 F XL Series (WH)

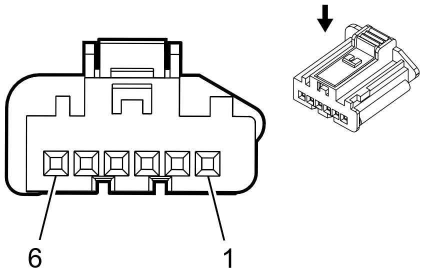
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M28R High Beam Solenoid Actuator - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	TN	-	High Beam Solenoid -	I	Z88
2	0.5	GY	-	High Beam Solenoid +	I	Z88

M37L Mode Door Actuator - Left



Connector Part Information

Harness Type: HVAC

OEM Connector: 13576054

Service Connector: Service by Harness - See Part Catalog

Description: 6-Way F 0.64 Micro Quadlock Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M37L Mode Door Actuator - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	-
2	0.35	WH/D-GN	2275	Mode 1 Valve Position Sensor Signal	I	-
3	0.35	GY/RD	598	5 Volt Reference	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	WH	119	Mode Door Control	I	-
6	0.35	YE/BN	2273	Mode Door Control	I	-

M50D Seat Front Vertical Motor - Driver

Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 3-023-66-52

Service Connector: Service by Harness - See Part Catalog

Description:

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M50D Seat Front Vertical Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	L-GN/BN	286	Driver Power Seat Front Vertical Motor Up Control	I	-
2	0.35	WH/RD	3298	Memory Sensor High Reference (2)	I	-
3	1.5	L-BU/VT	287	Driver Power Seat Front Vertical Motor Down Control	I	-
4	0.5	BN/WH	557	Memory Seat Front Vertical Motor Position Sensor Signal	I	-

M50P Seat Front Vertical Motor - Passenger

Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 3-023-66-52

Service Connector: Service by Harness - See Part Catalog

Description:

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M50P Seat Front Vertical Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	L-GN/L-BU	298	Passenger Power Seat Front Vertical Motor Down Control	I	-
2	-	-	-	Not Occupied	-	-
3	1.5	L-GN/VT	297	Passenger Power Seat Front Vertical Motor Up Control	I	-

M51D Seat Horizontal Motor - Driver

Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 3-023-66-52

Service Connector: Service by Harness - See Part Catalog

Description:

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M51D Seat Horizontal Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	YE/L-BU	285	Driver Power Seat Horizontal Motor Forward Control	I	-
2	0.35	WH/RD	3298	Memory Sensor High Reference (2)	I	-
3	1.5	GY/L-GN	284	Driver Power Seat Horizontal Motor Rearward Control	I	-
4	0.5	L-GN	569	Memory Seat Horizontal Motor Position Sensor Signal	I	-

M51P Seat Horizontal Motor - Passenger

Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 3-023-66-52

Service Connector: Service by Harness - See Part Catalog

Description:

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M51P Seat Horizontal Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	YE/L-BU	290	Passenger Power Seat Horizontal Motor Rearward Control	I	-
2	-	-	-	Not Occupied	-	-
3	1.5	YE/WH	296	Passenger Power Seat Horizontal Motor Forward Control	I	-

M55D Seat Rear Vertical Motor - Driver

Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 3-023-66-52

Service Connector: Service by Harness - See Part Catalog

Description:

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M55D Seat Rear Vertical Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GY/L-BU	283	Driver Power Seat Rear Vertical Motor Down Control	I	-
2	0.35	WH/RD	3298	Memory Sensor High Reference (2)	I	-
3	1.5	YE	282	Driver Power Seat Rear Vertical Motor Up Control	I	-
4	0.5	YE/L-BU	568	Memory Seat Rear Vertical Motor Position Sensor Signal	I	-

M55P Seat Rear Vertical Motor - Passenger

Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 3-023-66-52

Service Connector: Service by Harness - See Part Catalog

Description:

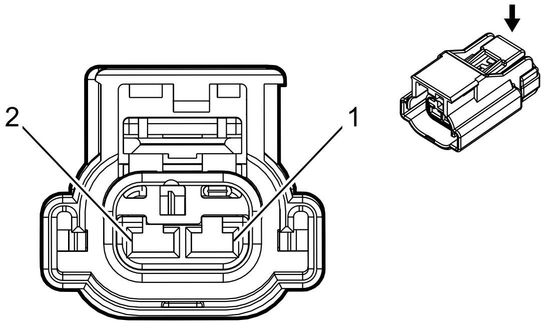
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M55P Seat Rear Vertical Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	L-GN/WH	288	Passenger Power Seat Rear Vertical Motor Up Control	I	-
2	-	-	-	Not Occupied	-	-
3	1.5	L-BU/WH	289	Passenger Power Seat Rear Vertical Motor Down Control	I	-

M63 Sliding Rear Window Motor



Connector Part Information

Harness Type: Body

OEM Connector: 13863838

Service Connector: Pending

Description: 2-Way F 2.8 Series, Sealed (BK)

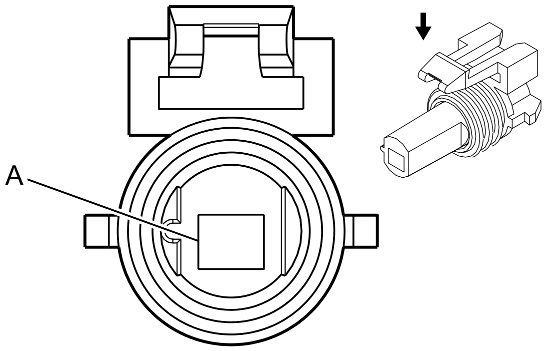
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13582171	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

M63 Sliding Rear Window Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	GY/L-GN	5441	Endgate Window Regulator Down Signal	I	-
2	2.5	YE/D-BU	5442	Endgate Window Regulator Up Signal	I	-

M64 Starter Motor



Connector Part Information

Harness Type: Engine

OEM Connector: 12089916

Service Connector: 13584479

Description: 1-Way F 280 Metri Pack Series, Sealed (GY)

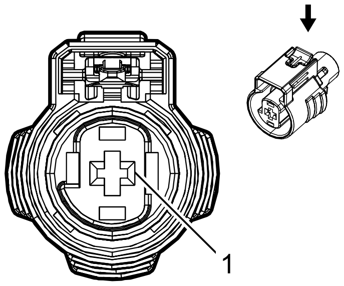
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-4A (PU)	J-38125-11A	12077413	4	F	5

M64 Starter Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	4	YE	6	Starter Solenoid Crank Voltage	I	-

M64 Starter Motor



Connector Part Information

Harness Type: Engine

OEM Connector: 15526411

Service Connector: Not Available

Description: 1-Way F 2.8 MCP Series, Sealed (BK)

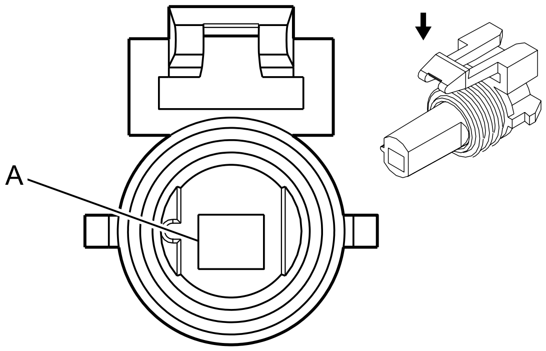
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M64 Starter Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	4	YE	6	Starter Solenoid Crank Voltage	I	-

M64 Starter Motor X1



Connector Part Information

Harness Type: Engine

OEM Connector: 12089916

Service Connector: 13584479

Description: 1-Way F 280 Metri Pack Series, Sealed (GY)

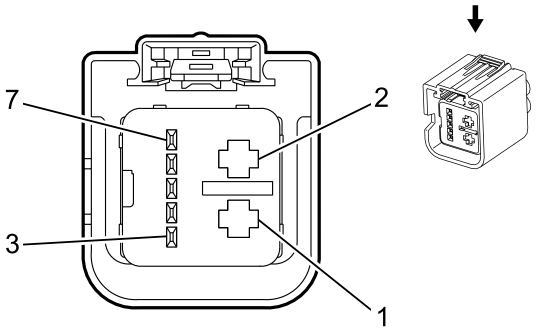
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-4A (PU)	J-38125-11A	12077413	4	F	5

M64 Starter Motor X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	4	YE	6	Starter Solenoid Crank Voltage	I	-

M74D Window Motor - Driver



Connector Part Information

Harness Type: Driver Door

OEM Connector: 13595813

Service Connector: No SDC/FSU

Description: 7-Way F 0.64, 2.8 Kaizen Timer Series, Sealed (BK)

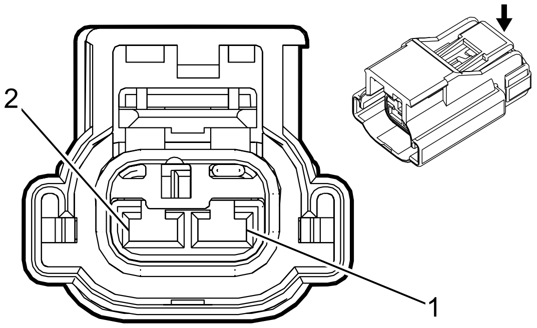
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327155	J-35616-35 (VT)	J-38125-36	4-964273-1	15	C	5
II	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

M74D Window Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BK	1150	Ground	I	-
2	2.5	RD/D-BU	1842	Battery Positive Voltage	I	-
3	0.35	L-GN/WH	1300	Power Window Master Switch Left Front Up Signal	II	-
4	0.5	L-GN/YE	6134	Linear Interconnect Network Bus 3	II	-
5	0.35	L-GN/VT	7628	Power Window Motor Left Front Express Control	II	-
6	0.35	GY	745	Left Front Door Ajar Switch Signal	II	-
7	0.35	GY	1136	Power Window Master Switch Left Front Down Signal	II	-

M74LR Window Motor - Left Rear



Connector Part Information

Harness Type: Left Rear Door

OEM Connector: 13896059

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 2.8 APEX Series, Sealed (BK)

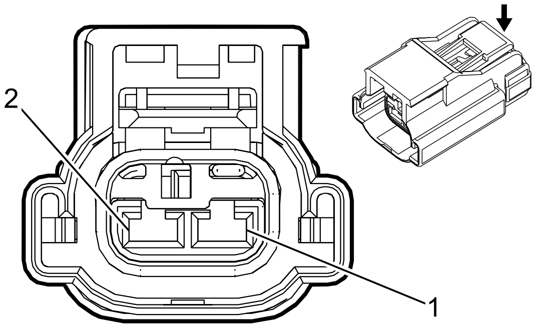
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13582171	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

M74LR Window Motor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	D-BU/VT	668	Power Window Motor Left Rear Up Control	I	-
2	2.5	YE/D-BU	669	Power Window Motor Left Rear Down Control	I	-

M74P Window Motor - Passenger



Connector Part Information

Harness Type: Passenger Door

OEM Connector: 13896059

Service Connector: Service by Harness - See Part Catalog

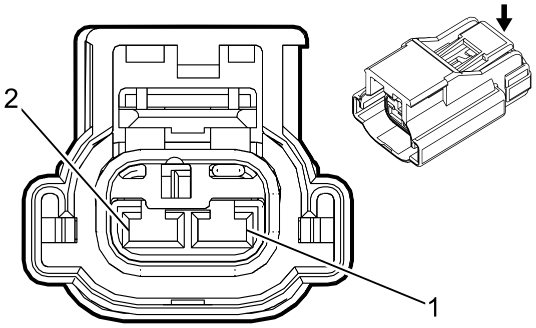
Description: 2-Way F 2.8 APEX Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13582171	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

M74P Window Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	YE/D-BU	3388	Power Window Motor Co-Driver Down Control	I	-
2	2.5	L-GN/GY	3387	Power Window Motor Co-Driver Up Control	I	-



Connector Part Information

Harness Type: Right Rear Door

OEM Connector: 13896059

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 2.8 APEX Series, Sealed (BK)

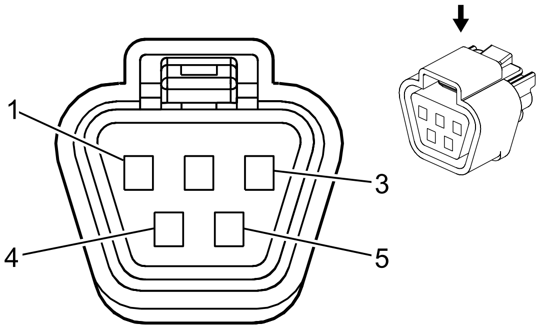
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13582171	J-35616-35 (VT)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

M74RR Window Motor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	D-BU/GY	670	Power Window Motor Right Rear Up Control	I	-
2	2.5	L-GN/BK	671	Power Window Motor Right Rear Down Control	I	-

M75 Windshield Wiper Motor



Connector Part Information

Harness Type: Body

OEM Connector: 15316488

Service Connector: 13587179

Description: 5-Way F 090 Series, Sealed (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587473	J-35616-18 (BK)	J-38125-552	7116-4026	11	E	1
II	Pending	J-35616-18 (BK)	J-38125-552	7116-4025	11	E	1

M75 Windshield Wiper Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	YE/BN	95	Windshield Wiper Motor Low Speed Control	I	-
2	0.5	BK	1850	Ground	II	-
3	0.5	BN/L-GN	196	Windshield Wiper Motor Park Switch Signal	II	-
4	1	WH	92	Windshield Wiper Motor High Speed Control	I	-
5	1	BK	550	Ground	I	-

M77D Outside Rearview Mirror Motor - Driver

Connector Part Information

Harness Type:

OEM Connector: MHFB5083

Service Connector: Service by Harness – See Part Catalog

Description: 8 F (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M77D Outside Rearview Mirror Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN	3392	Driver Mirror Position Sensor High Reference	I	A45
2	0.35	GN/WH	3389	Driver Mirror Motor Right (+) Left (-) Control	I	A45
3	0.35	GY	3395	Driver Mirror Position Sensor Left (-) Right (+) Signal	I	A45
4	0.35	WH	3391	Driver Mirror Motor Common Control	I	A45
5	0.35	GN	3394	Driver Mirror Position Sensor Up (+) Down (-) Signal	I	A45
6	-	-	-	Not Occupied	-	-
7	0.35	BU	3393	Driver Mirror Position Sensor Low Reference	I	A45
8	0.35	BU/WH	3390	Driver Mirror Motor Up (+) Down (-) Control	I	A45

M77P Outside Rearview Mirror Motor - Passenger

Connector Part Information

Harness Type:

OEM Connector: MHFB5083

Service Connector: Service by Harness – See Part Catalog

Description: 8 F (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M77P Outside Rearview Mirror Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN	3399	Co-Driver Mirror Position Sensor High Reference	I	A45
2	0.35	GN/WH	3396	Co-Driver Mirror Motor Right (+) Left (-) Control	I	A45
3	0.35	GY	3403	Co-Driver Mirror Position Sensor Left (-) Right (+) Signal	I	A45
4	0.35	WH	3398	Co-Driver Mirror Motor Common Control	I	A45
5	0.35	GN	3401	Co-Driver Mirror Position Sensor Up (+) Down (-) Signal	I	A45
6	-	-	-	Not Occupied	-	-
7	0.35	BU	3400	Co-Driver Mirror Position Sensor Low Reference	I	A45
8	0.35	BU/WH	3397	Co-Driver Mirror Motor Up (+) Down (-) Control	I	A45

M78D Outside Rearview Mirror Folding Motor - Driver

Connector Part Information

Harness Type:

OEM Connector: MHSSS031

Service Connector: Service by Harness – See Part Catalog

Description: 2 M (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M78D Outside Rearview Mirror Folding Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	3411	Driver Mirror Motor Fold Out Control	I	-
2	0.35	L-BU	3412	Driver Mirror Motor Fold In Control	I	-

M78P Outside Rearview Mirror Folding Motor - Passenger

Connector Part Information

Harness Type:

OEM Connector: MHSSS031

Service Connector: Service by Harness – See Part Catalog

Description: 2 M (GY)

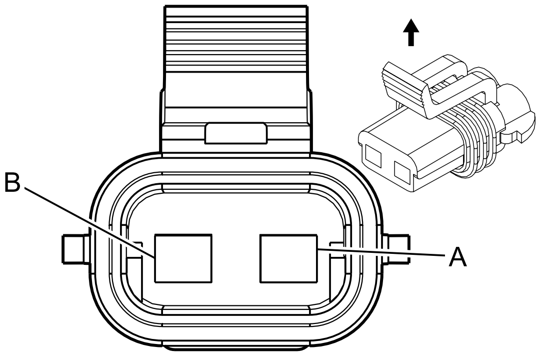
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

M78P Outside Rearview Mirror Folding Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	3413	Co-Driver Mirror Motor Fold Out Control	I	-
2	0.35	L-BU	3414	Co-Driver Mirror Motor Fold In Control	I	-

P3 Backup Alarm



Connector Part Information

Harness Type: Backup Alarm

OEM Connector: 15300027

Service Connector: 12101855

Description: 2-Way F 280 Metri Pack Series, Sealed (BK)

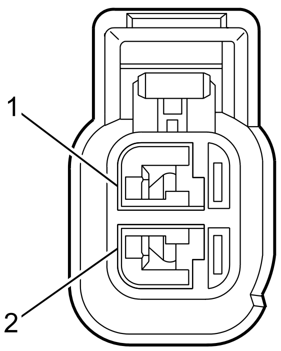
Terminal Part Information

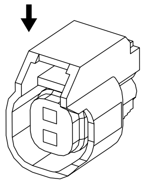
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-4A (PU)	J-38125-11A	12077411	2	2	5

P3 Backup Alarm

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1	L-GN	1624	Trailer Backup Lamp Supply Voltage	I	-
B	1	WH	22	Trailer Ground	I	-

P12 Horn





Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13594801

Service Connector: 13585854

Description: 2-Way F 150 GT Series, Sealed (BK)

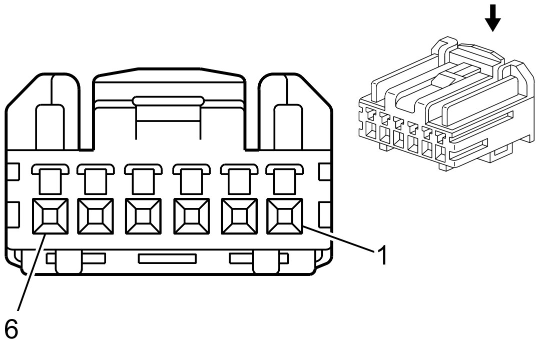
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575412	J-35616-2A (GY)	J-38125-553	12191819	8	2	1

P12 Horn

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	150	Ground	I	-
2	0.75	BN/GY	29	Horn Control	I	-

P14 Passenger Air Bag Disabled Indicator



Connector Part Information

Harness Type: Overhead Console

OEM Connector: 13608102

Service Connector: 19153174

Description: 6-Way F 0.64 HCM Series (NA)

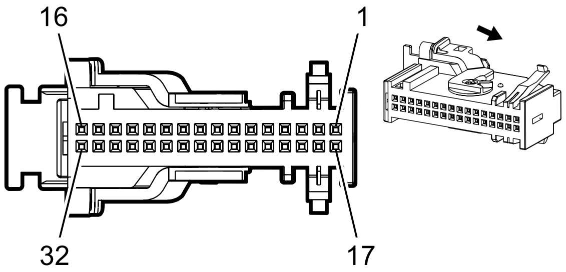
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	SHCM-A03T-P025	20	J	J

P14 Passenger Air Bag Disabled Indicator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	D-BU	2307	Passenger Air Bag On Indicator Control	I	-
2	0.5	BK	1050	Ground	I	-
3	0.35	L-GN	2308	Passenger Air Bag Off Indicator Control	I	-
4	0.35	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	-
5	0.35	VT/WH	5234	Passenger Seat Belt Indicator	I	-
6	-	-	-	Not Occupied	-	-

P16 Instrument Cluster



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 12198036

Service Connector: 88988405

Description: 32-Way F 0.64 Micro Quadlok Series (BK)

Terminal Part Information

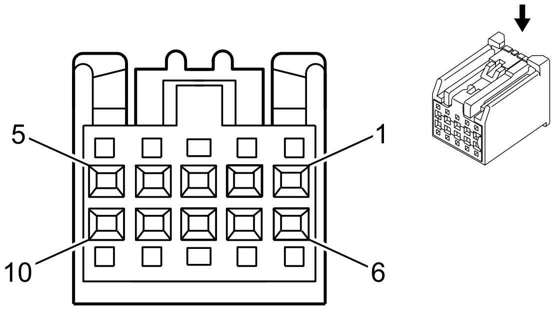
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	J	J
II	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	H	H

P16 Instrument Cluster

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
2	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
3	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	WH/VT	3999	MOST Control	II	-
6	-	-	-	Not Occupied	-	-
7	0.5	RD/GY	2840	Battery Positive Voltage	I	-
8	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	I	-
9	-	-	-	Not Occupied	-	-
10	0.5	D-BU/YE	68	Low Coolant Level Indicator Control	I	-
11	-	-	-	Not Occupied	-	-
12	0.35	GY/YE	3885	Forward Collision Alert LED Control	II	-
13-15	-	-	-	Not Occupied	-	-
16	0.35	BN/WH	419	Check Engine Indicator Control	II	-

17	0.5	GY/VT	3998	MOST Serial Data (+)	I	-
18	0.5	WH/L-GN	3997	MOST Serial Data (-)	I	-
19	0.5	BK/WH	1851	Signal Ground	I	-
20	0.5	L-GN/BK	3894	Linear Interconnect Network Bus 12	I	-
21-23	-	-	-	Not Occupied	-	-
24	0.35	VT	185	Low Washer Fluid Indicator Control	II	-
25	0.35	BK/D-BU	61	Outside Ambient Temperature Sensor Low Reference	II	-
26	-	-	-	Not Occupied	-	-
27	0.35	D-BU/GY	636	Outside Ambient Air Temperature Sensor Signal	II	-
28-29	-	-	-	Not Occupied	-	-
30	0.35	WH/L-GN	3535	Reflected LED Display Dimming Control	II	-
31	-	-	-	Not Occupied	-	-
32	0.35	L-GN/BN	507	Wait To Start Indicator Control	II	-

P17 Info Display Module X1



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13815336

Service Connector: 13577390

Description: 10-Way F 0.64 Kaizen Series (BK)

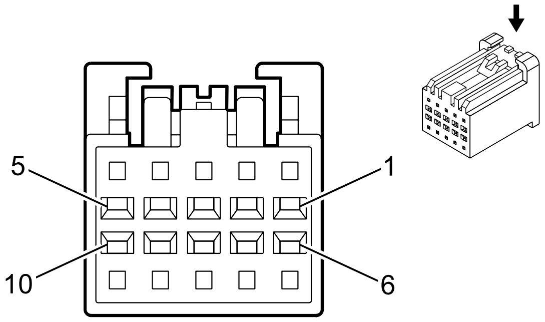
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

P17 Info Display Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/GY	2840	Battery Positive Voltage	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
4	-	-	-	Not Occupied	-	-
5	0.5	L-GN/D-BU	7532	Linear Interconnect Network Bus 10	I	-
6-7	-	-	-	Not Occupied	-	-
8	0.5	L-GN/WH	7527	Linear Interconnect Network Bus 5	I	-
9	-	-	-	Not Occupied	-	-
10	0.35	BK	2550	Ground	I	-

P17 Info Display Module X2



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13876499

Service Connector: 19299775

Description: 10-Way F 0.64 Kaizen Series (GY)

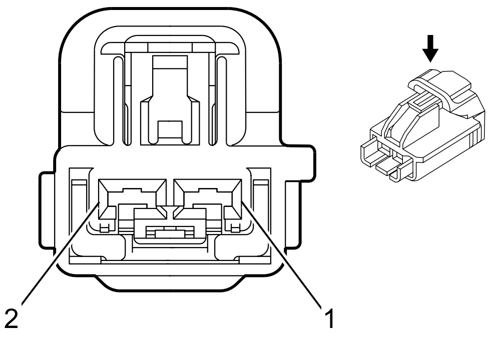
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

P17 Info Display Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/GY	2840	Battery Positive Voltage	I	-
2	-	-	-	Not Occupied	-	-
3	0.35	L-GN	5060	Low Speed GMLAN Serial Data	I	-
4-8	-	-	-	Not Occupied	-	-
9	0.35	L-GN/YE	7531	Linear Interconnect Network Bus 9	I	-
10	0.35	BK	2550	Ground	I	-

P19AC Speaker - Subwoofer



Connector Part Information

Harness Type: Body

OEM Connector: 10846819

Service Connector: Pending

Description: 2-Way F Kaizen YESC Series (L-GY)

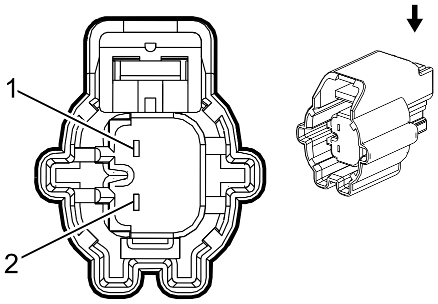
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-11A	7116-4112-02	9	C	D

P19AC Speaker - Subwoofer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	D-BU/GY	346	Left/Rear Subwoofer Speaker (+)	I	-
2	2.5	GY/BK	315	Right Subwoofer Speaker (-)	I	-

P19AG Speaker - Left Front Door



Connector Part Information

Harness Type: Driver Door

OEM Connector: 13665501

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 150 GT Series (BK)

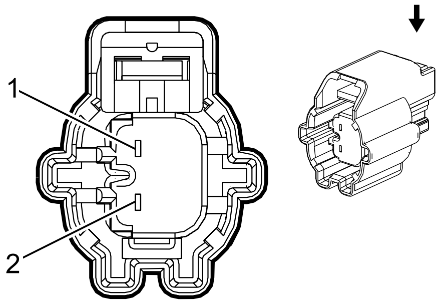
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	12191812	19	C	A

P19AG Speaker - Left Front Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BN/D-BU	118	Left Front Speaker Signal (-) (1)	I	-
2	1	D-BU	201	Left Front Speaker (+) (1)	I	-

P19AH Speaker - Right Front Door



Connector Part Information

Harness Type: Passenger Door

OEM Connector: 13665501

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 150 GT Series (BK)

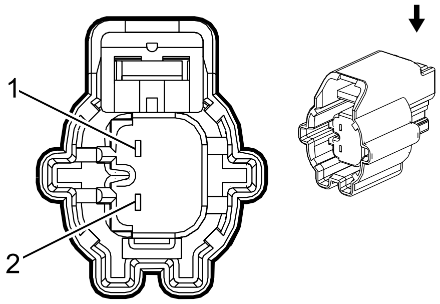
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	J-38125-553	12191812	19	C	A

P19AH Speaker - Right Front Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	YE/BK	117	Right Front Speaker Signal (-) (1)	I	-
2	1	YE	200	Right Front Speaker (+) (1)	I	-

P19AL Speaker - Left Rear Door



Connector Part Information

Harness Type: Left Rear Door

OEM Connector: 13665501

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 150 GT Series (BK)

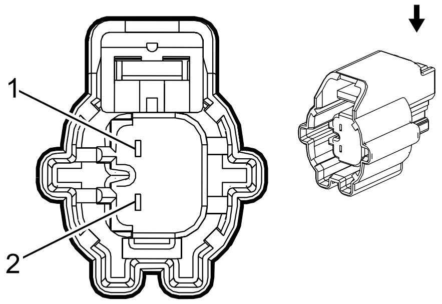
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	12191812	19	C	A

P19AL Speaker - Left Rear Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	L-GN/BK	116	Left Rear Speaker Signal (-)	I	-
2	1	L-GN	199	Left Rear Speaker (+)	I	-

P19AM Speaker - Right Rear Door



Connector Part Information

Harness Type: Right Rear Door

OEM Connector: 13665501

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 150 GT Series (BK)

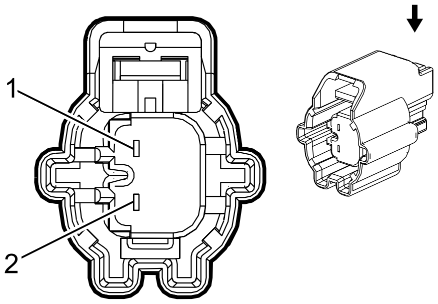
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	12191812	19	C	A

P19AM Speaker - Right Rear Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	D-BU/BK	115	Right Rear Speaker Signal (-)	I	-
2	1	WH	46	Right Rear Speaker (+)	I	-

P19AN Speaker - Left Rear Trim Panel



Connector Part Information

Harness Type: Body

OEM Connector: 13665501

Service Connector: Pending

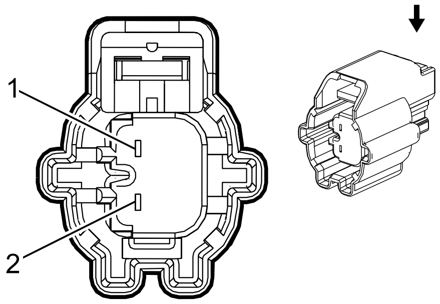
Description: 2-Way F 150 GT Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327110	J-35616-2A (GY)	J-38125-553	12191812	19	E	C

P19AN Speaker - Left Rear Trim Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/BK	116	Left Rear Speaker Signal (-)	I	-
2	0.5	L-GN	199	Left Rear Speaker (+)	I	-



Connector Part Information

Harness Type: Body

OEM Connector: 13665501

Service Connector: Pending

Description: 2-Way F 150 GT Series (BK)

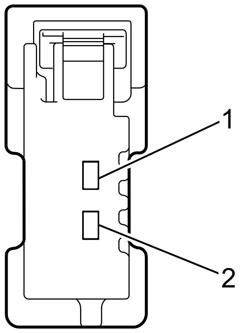
Terminal Part Information

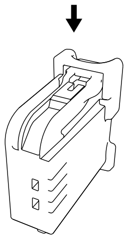
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327110	J-35616-2A (GY)	J-38125-553	12191812	19	E	C

P19AP Speaker - Right Rear Trim Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	D-BU/BK	115	Right Rear Speaker Signal (-)	I	-
2	0.5	WH	46	Right Rear Speaker (+)	I	-

P19J Speaker - Left Instrument Panel





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13595207

Service Connector: 13584097

Description: 2-Way F 0.64, 1.5 Series (BK)

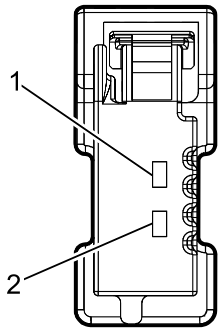
Terminal Part Information

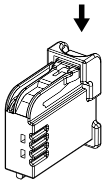
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	15496302	5	E	A

P19J Speaker - Left Instrument Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/D-BU	118	Left Front Speaker Signal (-) (1)	I	-
2	0.5	D-BU	201	Left Front Speaker (+) (1)	I	-

P19J Speaker - Left Instrument Panel (UQA)





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13608099

Service Connector: 13314097

Description: 2-Way F 1.5 Series (GY)

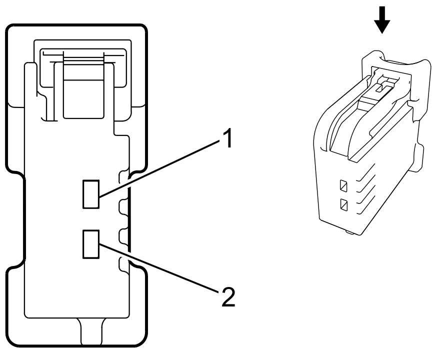
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	J-38125-553	15496302	5	2	A

P19J Speaker - Left Instrument Panel (UQA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE/GY	1956	Left Front Tweeter Speaker (-)	I	-
2	0.75	YE/D-BU	1856	Left Front Tweeter Speaker (+)	I	-

P19W Speaker - Right Instrument Panel



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13595207

Service Connector: 13584097

Description: 2-Way F 0.64, 1.5 Series (BK)

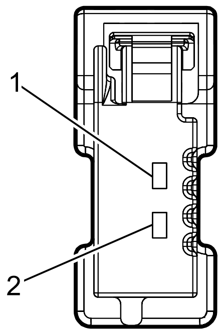
Terminal Part Information

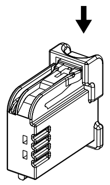
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	15496302	5	E	A

P19W Speaker - Right Instrument Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BK	117	Right Front Speaker Signal (-) (1)	I	-
2	0.5	YE	200	Right Front Speaker (+) (1)	I	-

P19W Speaker - Right Instrument Panel (UQA)





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13608099

Service Connector: 13314097

Description: 2-Way F 1.5 Series (GY)

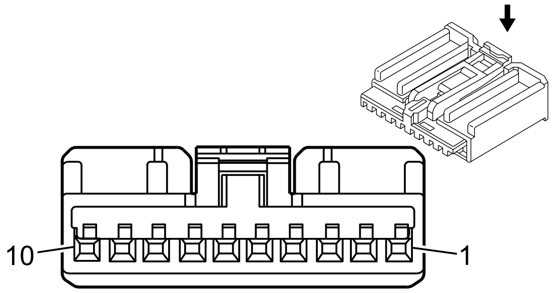
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	J-38125-553	15496302	5	2	A

P19W Speaker - Right Instrument Panel (UQA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/BN	1952	Right Front Tweeter Speaker (-)	I	-
2	0.75	BN/L-GN	1852	Right Front Tweeter Speaker (+)	I	-

P22A Video Display - 2nd Row X2 (U42)



Connector Part Information

Harness Type: Headliner

OEM Connector: 13574592

Service Connector: 13576634

Description: 10-Way F 0.64 Kaizen Series (BK)

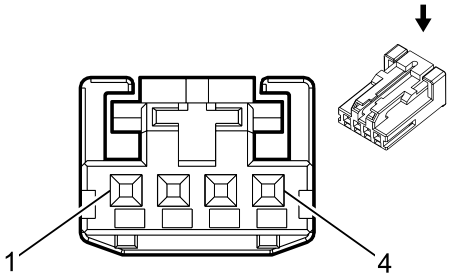
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

P22A Video Display - 2nd Row X2 (U42)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/L-GN	7558	LED Ambient Lighting Control 2	I	-
2	0.5	BK	1050	Ground	I	-
3	0.5	GY	157	Interior Lamp Control	I	-
4	0.5	YE	6817	LED Backlight Dimming Control	I	-
5	0.5	WH/BN	6815	Inadvertent Power Control	I	-
6-7	-	-	-	Not Occupied	-	-
8	0.5 0.5	BK BK/WH	2550 2550	Ground Ground	I	-
9	0.35	L-GN/YE	7066	Entertainment Remote Enable Signal	I	-
10	0.5	RD/L-GN	1540	Battery Positive Voltage	I	-

P43 Collision Alert Indicators



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13853727

Service Connector: 19300597

Description: 4-Way F 0.64 Micro Quadlock Series (BK)

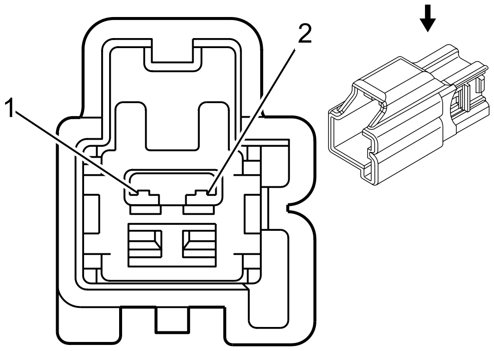
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	J	J
II	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	H	H

P43 Collision Alert Indicators

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	I	-
2	0.35	GY/YE	3885	Forward Collision Alert LED Control	II	-
3	0.35	WH/L-GN	3535	Reflected LED Display Dimming Control	II	-
4	0.35	BK/WH	1851	Signal Ground	II	-

P45LR Seat Haptic Movement Motor - Driver Left Rear



Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 7282-6443-40

Service Connector: 88988503

Description: 2-Way M 1.5 Series (L-GY)

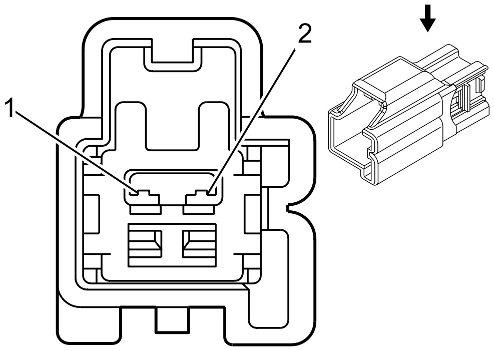
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

P45LR Seat Haptic Movement Motor - Driver Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	3037	Left Rear Haptic Seat Motor Control	I	-
2	0.5	BK	1150	Ground	I	-

P45RR Seat Haptic Movement Motor - Driver Right Rear



Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 7282-6443-40

Service Connector: 88988503

Description: 2-Way M 1.5 Series (L-GY)

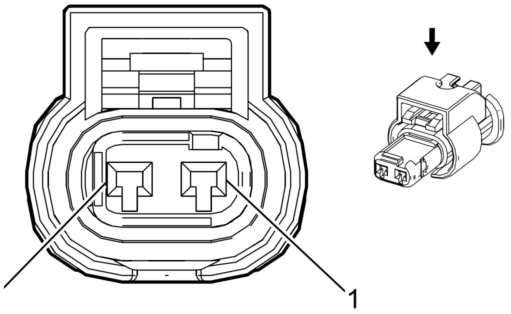
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

P45RR Seat Haptic Movement Motor - Driver Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	3038	Right Rear Haptic Seat Motor Control	I	-
2	0.5	BK	1150	Ground	I	-

Q2 A/C Compressor Clutch



Connector Part Information

Harness Type: Engine

OEM Connector: 13927761

Service Connector: 19300402

Description: 2-Way F 1.2 MCP Series, Sealed (BK with BK Inner Connector)

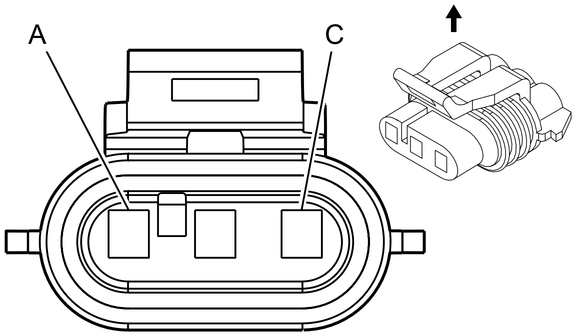
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-16 (L-GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q2 A/C Compressor Clutch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75 1	BK BK	550 550	Ground Ground	I	-
2	0.75	BN/L-GN	59	A/C Compressor Clutch Supply Voltage	I	-

Q6 Camshaft Position Actuator Solenoid Valve



Connector Part Information

Harness Type: Camshaft Position Sensor Jumper

OEM Connector: 12059595

Service Connector: 13585316

Description: 3-Way F 150 Metri Pack Series, Sealed (BK)

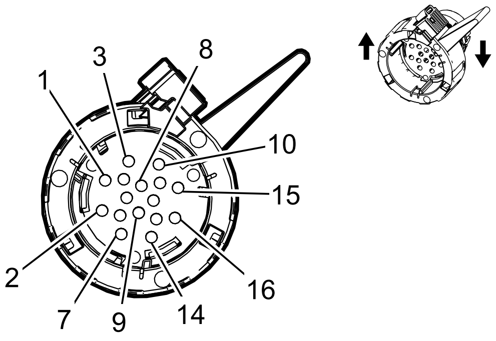
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1

Q6 Camshaft Position Actuator Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	D-BU	6259	Camshaft CAM W Supply Voltage	I	-
B	0.35	BN	6266	Camshaft CAM W Ground	I	-
C	0.35	D-BU/WH	6265	Camshaft CAM W Signal	I	-

Q8 Control Solenoid Valve Assembly X1



Connector Part Information

Harness Type: Engine

OEM Connector: 13878751

Service Connector: Pending

Description: 16-Way F 1.5 Series, Sealed (BK)

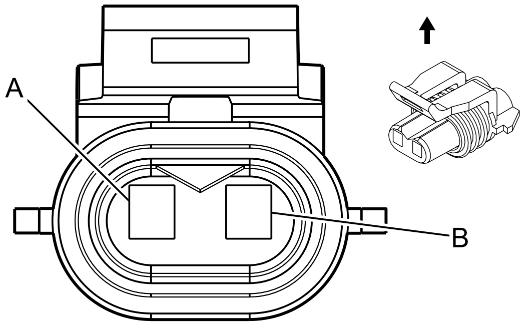
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13578934	J-35616-66 (YE)	J-38125-28	2 21 24 47220 0	12	E	1
II	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q8 Control Solenoid Valve Assembly X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.5	WH/GY	1786	Transmission Park/Neutral Signal (1)	I	-
4	0.75	RD/L-GN	1840	Battery Positive Voltage	II	-
5	0.75	BK/WH	451	Signal Ground	II	-
6-8	-	-	-	Not Occupied	-	-
9	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	-
10	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
11	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
12	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	I	-
13	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
14	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
15	-	-	-	Not Occupied	-	-
16	0.5	BN/WH	6354	Output Speed High (Replicated TOS) Input Signal	I	-

Q12 Evaporative Emission Purge Solenoid Valve



Connector Part Information

Harness Type: Engine

OEM Connector: 12124037

Service Connector: 13585860

Description: 2-Way F 150 Metri Pack Series, Sealed (BK)

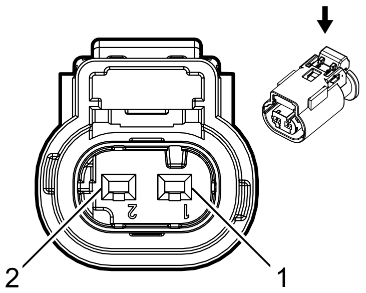
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1

Q12 Evaporative Emission Purge Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	VT/D-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
B	0.5	L-GN/D-BU	428	EVAP Canister Purge Solenoid Control	I	-

Q12 Evaporative Emission Purge Solenoid Valve



Connector Part Information

Harness Type: Engine

OEM Connector: 13735326

Service Connector: 13587326

Description: 2-Way F 1.2 MLK Series, Sealed (BK)

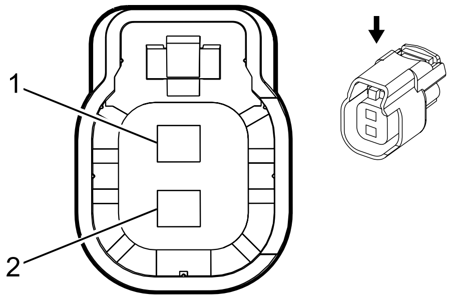
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q12 Evaporative Emission Purge Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/D-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
2	0.5	L-GN/D-BU	428	EVAP Canister Purge Solenoid Control	I	-

Q13 Evaporative Emission Vent Solenoid Valve



Connector Part Information

Harness Type: Chassis

OEM Connector: 13771883

Service Connector: 13579002

Description: 2-Way F 1.5 Series, Sealed (BK)

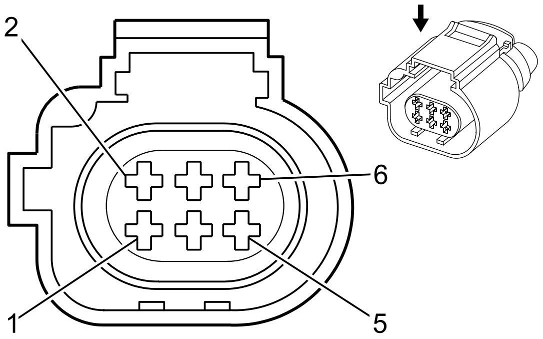
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13576370	J-35616-2A (GY)	J-38125-11A	7116-4102-08	9	E	1

Q13 Evaporative Emission Vent Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	1310	EVAP Canister Vent Solenoid Control	I	-
2	0.5	RD/L-GN	1840	Battery Positive Voltage	I	-

Q14 Exhaust Gas Recirculation Valve (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 284716-3

Service Connector: 13586128

Description: 6-Way F 1.6 Micro Timer Series, Sealed (BN)

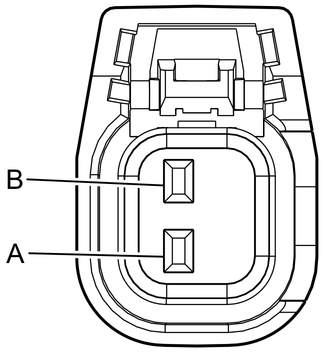
Terminal Part Information

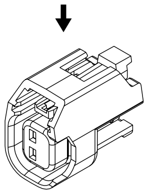
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q14 Exhaust Gas Recirculation Valve (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	GY	2702	Exhaust Gas Recirculation 5 Volt Reference (2)	I	LML
2	0	L-GN/BK	5746	Exhaust Gas Recirculation Valve Motor Low Signal	I	LML
3	0		2753	Exhaust Gas Recirculation Sensor Low Reference	I	LML
4	-	-	-	Not Occupied	-	-
5	0	BR/WH	5763	Exhaust Gas Recirculation Valve Sensor Signal	I	LML
6	0	OG/BK	5764	Exhaust Gas Recirculation Valve Motor High Signal	I	LML

Q17A Fuel Injector 1 (L96)





Connector Part Information

Harness Type: Engine

OEM Connector: 15419715

Service Connector: 13580876

Description: 2-Way F 150 GT Series, Sealed (GY)

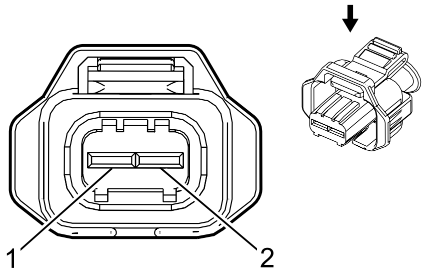
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13578879	J-35616-2A (GY)	J-38125-553	12191819	8	C	1
II	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

Q17A Fuel Injector 1 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-
B	0.5	L-GN/YE	1744	Fuel Injector Control (1)	II	-

Q17A Fuel Injector 1 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 1928404114

Service Connector: SEE NOTE

Description: 2-Way F 2.8 Series, Sealed (BK)

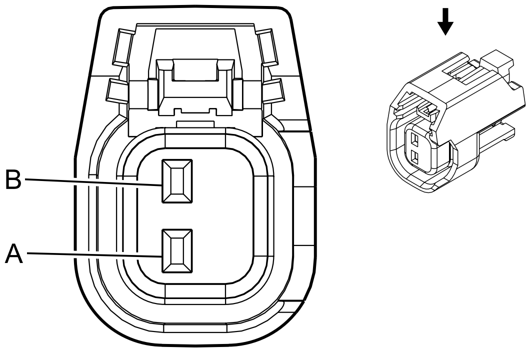
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q17A Fuel Injector 1 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.8	BR/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	I	LML
2	0.8	BR	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	I	LML

Q17B Fuel Injector 2 (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 15419715

Service Connector: 13580876

Description: 2-Way F 150 GT Series, Sealed (GY)

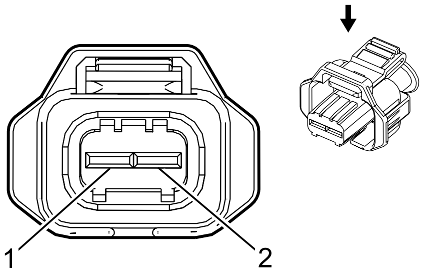
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13578879	J-35616-2A (GY)	J-38125-553	12191819	8	C	1
II	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

Q17B Fuel Injector 2 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/D-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-
B	0.5	YE/WH	1745	Fuel Injector Control (2)	II	-

Q17B Fuel Injector 2 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 1928404114

Service Connector: SEE NOTE

Description: 2-Way F 2.8 Series, Sealed (BK)

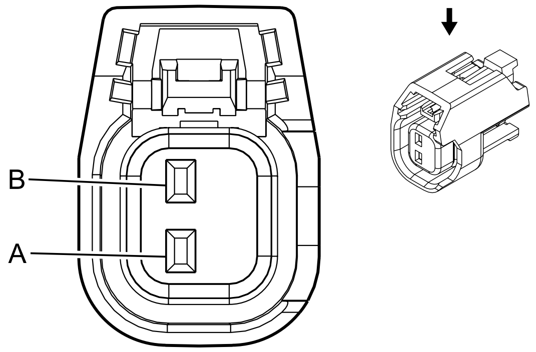
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q17B Fuel Injector 2 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.8	WH	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	I	LML
2	0.8		4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	I	LML

Q17C Fuel Injector 3 (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 15419715

Service Connector: 13580876

Description: 2-Way F 150 GT Series, Sealed (GY)

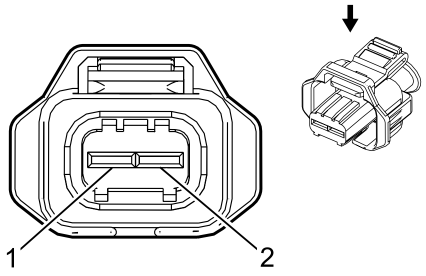
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13578879	J-35616-2A (GY)	J-38125-553	12191819	8	C	1
II	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

Q17C Fuel Injector 3 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-
B	0.5	BN/VT	1746	Fuel Injector Control (3)	II	-

Q17C Fuel Injector 3 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 1928404114

Service Connector: SEE NOTE

Description: 2-Way F 2.8 Series, Sealed (BK)

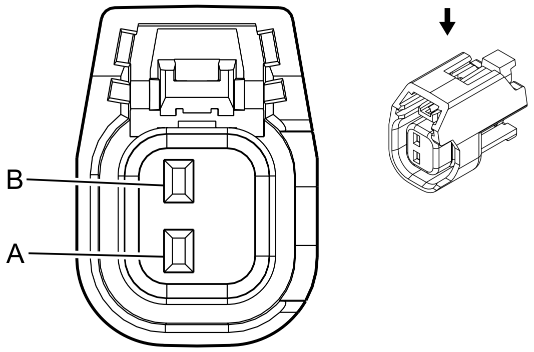
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q17C Fuel Injector 3 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.8	D-GN/WH	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	I	LML
2	0.8	D-GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	I	LML

Q17D Fuel Injector 4 (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 15419715

Service Connector: 13580876

Description: 2-Way F 150 GT Series, Sealed (GY)

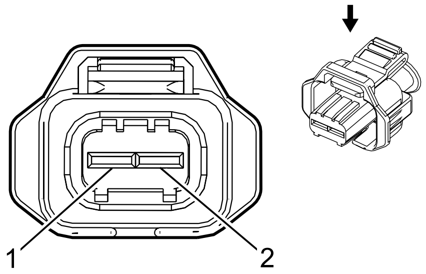
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13578879	J-35616-2A (GY)	J-38125-553	12191819	8	C	1
II	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

Q17D Fuel Injector 4 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/D-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-
B	0.5	BN/YE	844	Fuel Injector Control (4)	II	-

Q17D Fuel Injector 4 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 1928404114

Service Connector: SEE NOTE

Description: 2-Way F 2.8 Series, Sealed (BK)

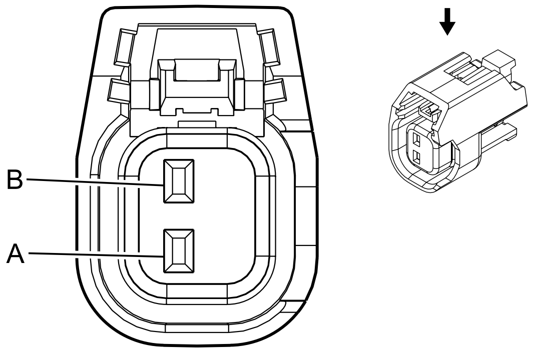
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q17D Fuel Injector 4 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.8	L-BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	I	LML
2	0.8	L-BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	I	LML

Q17E Fuel Injector 5 (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 15419715

Service Connector: 13580876

Description: 2-Way F 150 GT Series, Sealed (GY)

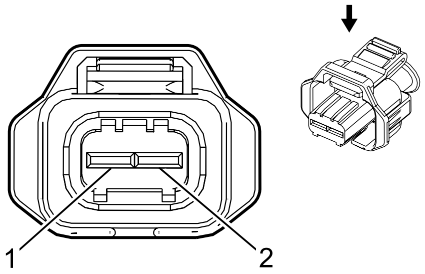
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575412	J-35616-2A (GY)	J-38125-553	12191819	8	2	1
II	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

Q17E Fuel Injector 5 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-
B	0.5	BN/L-GN	845	Fuel Injector Control (5)	II	-

Q17E Fuel Injector 5 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 1928404114

Service Connector: SEE NOTE

Description: 2-Way F 2.8 Series, Sealed (BK)

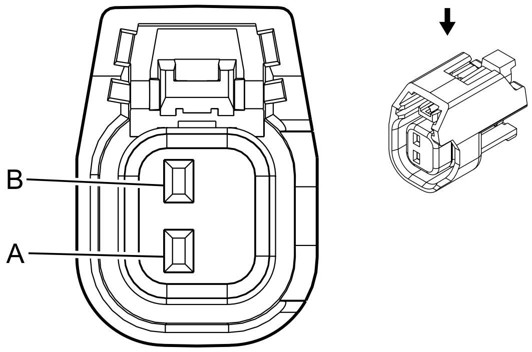
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q17E Fuel Injector 5 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.8	L-GN/WH	4905	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	I	LML
2	0.8	L-GN	4805	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	I	LML

Q17F Fuel Injector 6 (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 15419715

Service Connector: 13580876

Description: 2-Way F 150 GT Series, Sealed (GY)

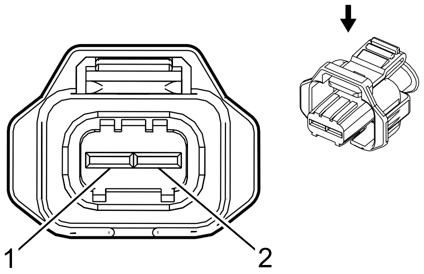
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575412	J-35616-2A (GY)	J-38125-553	12191819	8	2	1
II	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

Q17F Fuel Injector 6 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	VT/D-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-
B	0.5	BN/D-BU	846	Fuel Injector Control (6)	II	-

Q17F Fuel Injector 6 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 1928404114

Service Connector: SEE NOTE

Description: 2-Way F 2.8 Series, Sealed (BK)

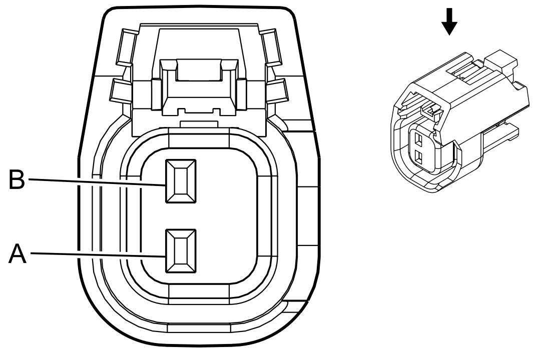
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q17F Fuel Injector 6 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.8	VT/WH	4906	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	I	LML
2	0.8	VT	4806	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	I	LML

Q17G Fuel Injector 7 (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 15419715

Service Connector: 13580876

Description: 2-Way F 150 GT Series, Sealed (GY)

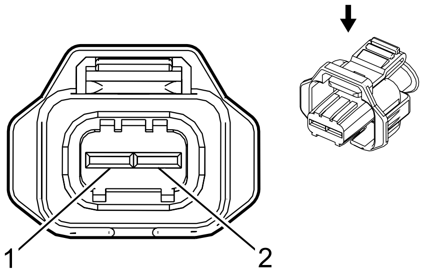
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575412	J-35616-2A (GY)	J-38125-553	12191819	8	2	1
II	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

Q17G Fuel Injector 7 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-
B	0.5	BN/VT	877	Fuel Injector Control (7)	II	-

Q17G Fuel Injector 7 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 1928404114

Service Connector: SEE NOTE

Description: 2-Way F 2.8 Series, Sealed (BK)

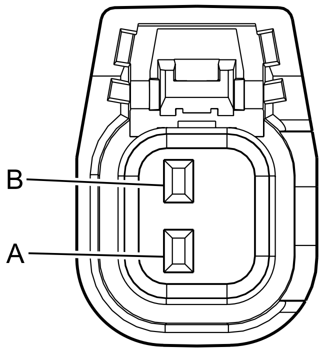
Terminal Part Information

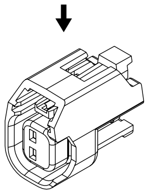
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q17G Fuel Injector 7 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.8	WH	4907	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 7	I	LML
2	0.8		4807	Direct Fuel Injector (DFI) High Voltage Control Cylinder 7	I	LML

Q17H Fuel Injector 8 (L96)





Connector Part Information

Harness Type: Engine

OEM Connector: 15419715

Service Connector: 13580876

Description: 2-Way F 150 GT Series, Sealed (GY)

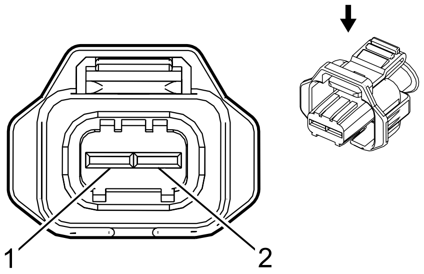
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575412	J-35616-2A (GY)	J-38125-553	12191819	8	2	1
II	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

Q17H Fuel Injector 8 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	VT/D-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-
B	0.5	BN/GY	878	Fuel Injector Control (8)	II	-

Q17H Fuel Injector 8 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 1928404114

Service Connector: SEE NOTE

Description: 2-Way F 2.8 Series, Sealed (BK)

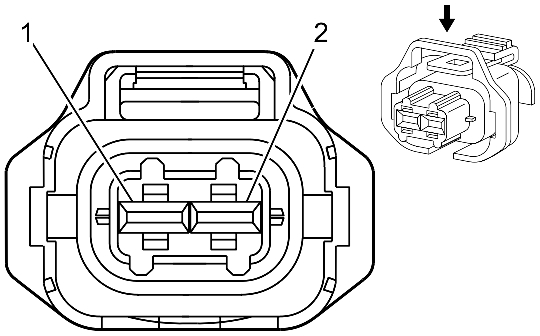
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q17H Fuel Injector 8 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.8	GY/WH	4908	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 8	I	LML
2	0.8	GY	4808	Direct Fuel Injector (DFI) High Voltage Control Cylinder 8	I	LML

Q18B Fuel Pressure Regulator 2 (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 1928403874

Service Connector: 88988963

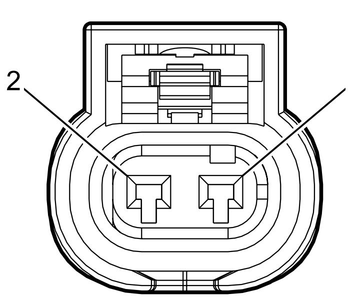
Description: 2-Way F Kompakt 2.8 Series, Sealed (BK)

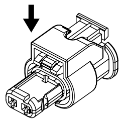
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q18B Fuel Pressure Regulator 2 (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.8	VT/WH	2530	Fuel Rail Pressure Solenoid Supply Voltage	I	LML
2	0.8	YE	2834	Fuel Rail Pressure Solenoid Low Reference	I	LML





Connector Part Information

Harness Type: Chassis

OEM Connector: 13627836

Service Connector: No SDC/FSU

Description: 2-Way F 1.2 Multiple Contact Point Series, Sealed (BK)

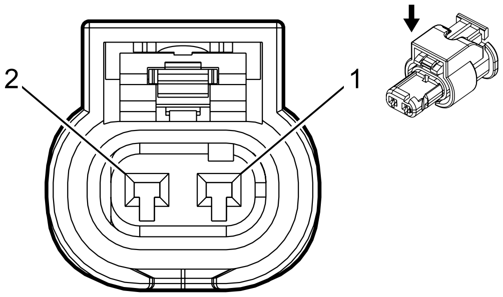
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

Q37LF Shock Absorber Actuator - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/GY	1448	Left Front Strut Motor Increase Damping	I	-
2	0.75	WH/L-GN	1005	Left Front Strut Motor Decrease Damping Control	I	-

Q37LR Shock Absorber Actuator - Left Rear



Connector Part Information

Harness Type: Chassis

OEM Connector: 13627836

Service Connector: No SDC/FSU

Description: 2-Way F 1.2 Multiple Contact Point Series, Sealed (BK)

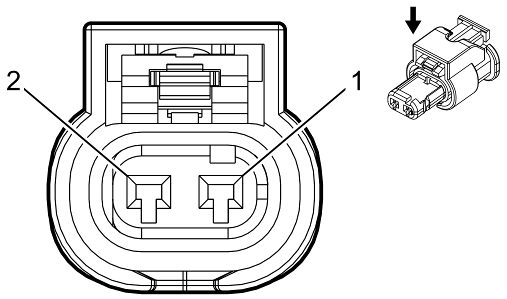
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

Q37LR Shock Absorber Actuator - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/VT	1010	Left Rear Strut Motor Increase Damping Control	I	-
2	0.75	WH/BK	1013	Left Rear Strut Motor Decrease Damping Control	I	-

Q37RF Shock Absorber Actuator - Right Front



Connector Part Information

Harness Type: Chassis

OEM Connector: 13627836

Service Connector: No SDC/FSU

Description: 2-Way F 1.2 Multiple Contact Point Series, Sealed (BK)

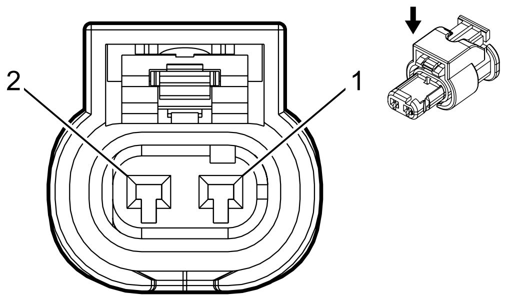
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

Q37RF Shock Absorber Actuator - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/BK	1006	Right Front Strut Motor Increase Damping Control	I	-
2	0.75	BN	1009	Right Front Strut Motor Decrease Damping Control	I	-

Q37RR Shock Absorber Actuator - Right Rear



Connector Part Information

Harness Type: Chassis

OEM Connector: 13627836

Service Connector: No SDC/FSU

Description: 2-Way F 1.2 Multiple Contact Point Series, Sealed (BK)

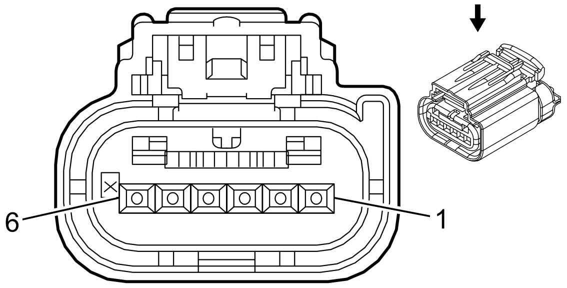
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

Q37RR Shock Absorber Actuator - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE	1014	Right Rear Strut Motor Increase Damping	I	-
2	0.75	VT	1017	Right Rear Strut Motor Decrease Damping	I	-

Q38 Throttle Body (1500)



Connector Part Information

Harness Type: Engine

OEM Connector: 13699991

Service Connector: 13581267

Description: 6-Way F 0.64 GET Series, Sealed (BK)

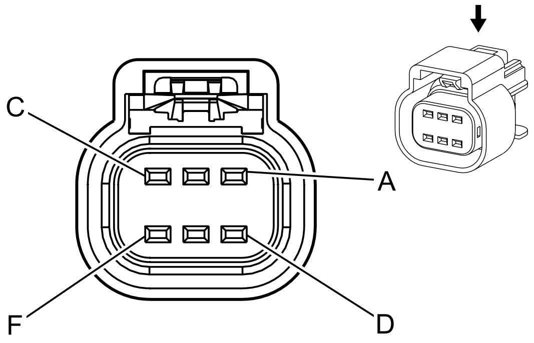
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	J-38125-553	Not Available	Not Available	Not Available	Not Available

Q38 Throttle Body (1500)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	581	Throttle Actuator Control Open	I	-
2	0.5	BN/WH	582	Throttle Actuator Control Close	I	-
3	0.5	D-BU/WH	3630	Throttle Position Sensor (SENT1) Signal	I	-
4	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	-
5	0.5	BN/RD	2701	Throttle Position Sensor 5 Volt Reference	I	-
6	-	-	-	Not Occupied	-	-

Q38 Throttle Body (L96)



Connector Part Information

Harness Type: Engine

OEM Connector: 15418497

Service Connector: 13584095

Description: 6-Way F 150 GT Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	15326427	5	E	A

Q38 Throttle Body (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BN/WH	582	Throttle Actuator Control Close	I	-
B	0.5	YE	581	Throttle Actuator Control Open	I	-
C	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	-
D	0.5	BN/L-GN	485	Throttle Position Sensor Signal (1)	I	-
E	0.5	BN/RD	2701	Throttle Position Sensor 5 Volt Reference	I	-
F	0.5	BN/D-BU	486	Throttle Position Sensor Signal (2)	I	-

Connector Part Information

Harness Type: Engine

OEM Connector: 114381533

Service Connector: Pending

Description: 6 F 0.64 GET Series, Sealed

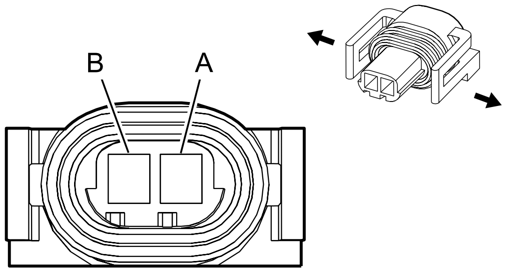
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q38 Throttle Body (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.8	YE	581	Throttle Actuator Control Open	I	LML
2	0.8	BR	582	Throttle Actuator Control Close	I	LML
3	0	D-GN	485	Throttle Position Sensor Signal (1)	I	LML
4	0		2752	Throttle Position Sensor Low Reference	I	LML
5	0	GY	2701	Throttle Position Sensor 5 Volt Reference	I	LML
6	-	-	-	Not Occupied	-	-

Q41 Turbocharger Vane Position Control Solenoid Valve (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 12162215

Service Connector: 12085496

Description: 2-Way F 150.2 Metri Pack Series, Sealed, Pull To Seat (BK)

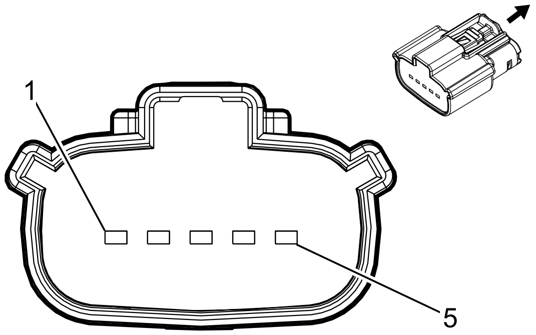
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q41 Turbocharger Vane Position Control Solenoid Valve (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BU	5930	Variable Nozzle Turbo Solenoid High Signal	I	LML
B	0.5	WH	5931	Variable Nozzle Turbo Solenoid Low Signal	I	LML

Q43 Valve Lifter Oil Manifold Assembly



Connector Part Information

Harness Type: Engine

OEM Connector: 13843947

Service Connector: 19301721

Description: 5-Way F 150 MX Series, Sealed (BK)

Harness Type: Engine

OEM Connector: 13845946

Service Connector: 19301719

Description: 5-Way F 150 MX Series, Sealed (BK)

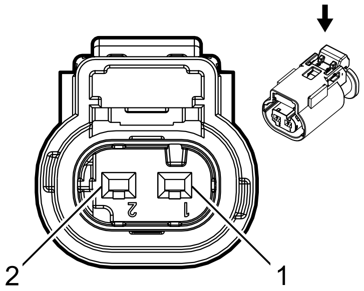
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available

Q43 Valve Lifter Oil Manifold Assembly

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5 0.5	D-BU YE/D-BU	5491 5494	Cylinder Shutoff Solenoid Control (1) Cylinder Shutoff Solenoid Control (4)	I	-
2	0.5	GY	5493	Cylinder Shutoff Solenoid Control (3)	I	-
3	0.75 0.5	VT/D-BU D-BU	5293 5491	Powertrain Main Relay Fused Supply (4) Cylinder Shutoff Solenoid Control (1)	II	-
4	0.75	VT/D-BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
5	0.5	L-GN	5492	Cylinder Shutoff Solenoid Control (2)	I	-

Q44 Engine Oil Pressure Control Solenoid Valve



Connector Part Information

Harness Type:

OEM Connector: 13503566

Service Connector: 13587326

Description: 2 F 1.2 MLK Series, Sealed (BK)

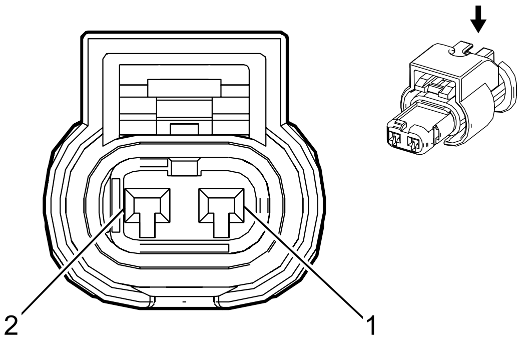
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q44 Engine Oil Pressure Control Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BU	5293	Powertrain Main Relay Fused Supply (4)	I	-
2	0.5	BU	179	Oil Pump Command Signal	I	-

Q46 A/C Compressor Solenoid Valve



Connector Part Information

Harness Type: Engine

OEM Connector: 13927762

Service Connector: 19299928

Description: 2-Way F 1.2 MCP Series, Sealed (BK with NA Inner Connector)

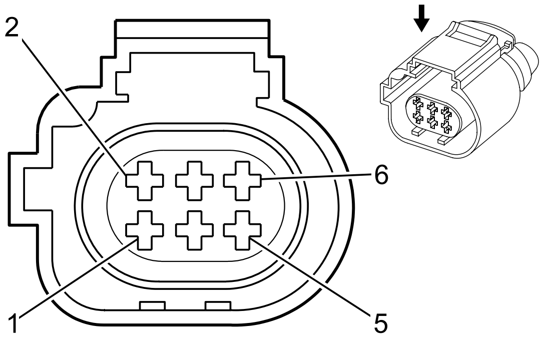
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-16 (L-GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

Q46 A/C Compressor Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	D-BU/YE	7574	Electric Variable Displacement Control	I	-
2	0.75	D-BU/BN	7573	Electric Variable Displacement Supply	I	-

Q47 Exhaust Gas Recirculation Cooler Bypass Solenoid Valve (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 284716-3

Service Connector: 13586128

Description: 6-Way F 1.6 Micro Timer Series, Sealed (BN)

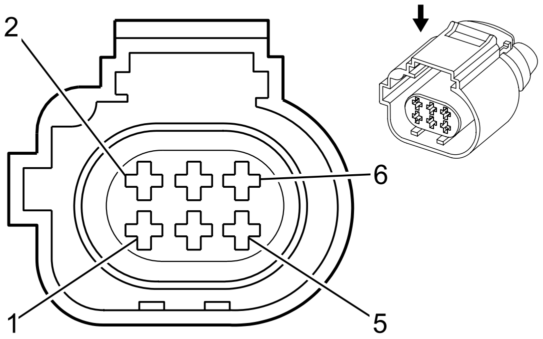
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q47 Exhaust Gas Recirculation Cooler Bypass Solenoid Valve (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	GY	3652	EGR Cooler Bypass Position Sensor 5V Reference	I	LML
2	0	OG/BK	3656	EGR Cooler Bypass Motor Close Control	I	LML
3	0		3653	EGR Cooler Bypass Position Sensor Low Reference	I	LML
4	-	-	-	Not Occupied	-	-
5	0	GN/WH	3654	EGR Cooler Bypass Position Sensor Signal	I	LML
6	0	L-GN	3655	EGR Cooler Bypass Motor Open Control	I	LML

Q47 Exhaust Gas Recirculation Cooler Bypass Solenoid Valve (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 284716-3

Service Connector: 13586128

Description: 6-Way F 1.6 Micro Timer Series, Sealed (BN)

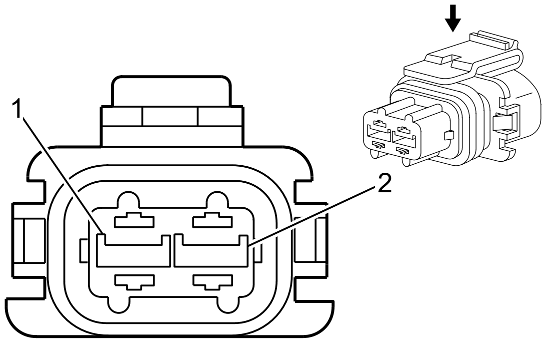
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

Q47 Exhaust Gas Recirculation Cooler Bypass Solenoid Valve (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.50F	GY	3652	EGR Cooler Bypass Position Sensor 5V Reference	I	-
2	0.50F	OG/BK	3656	EGR Cooler Bypass Motor Close Control	I	-
3	0.50F		3653	EGR Cooler Bypass Position Sensor Low Reference	I	-
4	-	-	-	Not Occupied	-	-
5	0.50F	GN/WH	3654	EGR Cooler Bypass Position Sensor Signal	I	-
6	0.50F	L-GN	3655	EGR Cooler Bypass Motor Open Control	I	-

Q61 Reductant Injector (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 10740370

Service Connector: 88988586

Description: 2-Way F 2.8 Junior Power Timer Series, Sealed (BK)

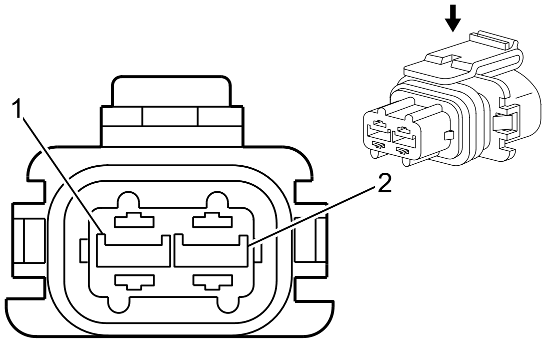
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13579758	J-35616-35 (VT)	J-38125-561	1928498058	8	E	1

Q61 Reductant Injector (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN	3099	DEF Dosing Valve High Control	I	-
2	0.75	BN/WH	3100	DEF Dosing Valve Low Control	I	-

Q61 Reductant Injector



Connector Part Information

Harness Type: Engine

OEM Connector: 10740370

Service Connector: 88988586

Description: 2-Way F 2.8 Junior Power Timer Series, Sealed (BK)

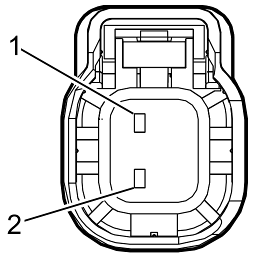
Terminal Part Information

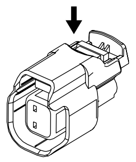
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13579758	J-35616-35 (VT)	J-38125-561	1928498058	8	E	1

Q61 Reductant Injector

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN	3099	DEF Dosing Valve High Control	I	-
2	0.75	BN/WH	3100	DEF Dosing Valve Low Control	I	-

Q67 Exhaust Aftertreatment Fuel Injector (LML)





Connector Part Information

Harness Type: Engine

OEM Connector: 34062-0025

Service Connector: No SDC/FSU

Description: 2-Way F 1.5 Series, Sealed (BK)

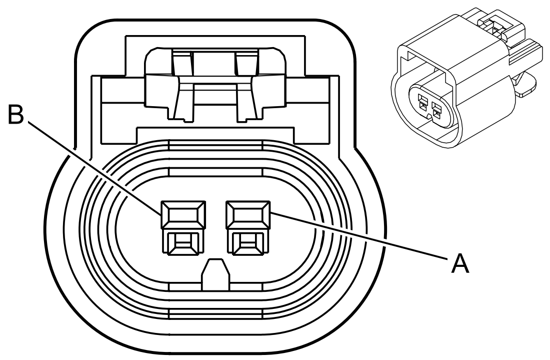
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

Q67 Exhaust Aftertreatment Fuel Injector (LML)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0	VT	2927	Hydrocarbon Injector Low Control	I	LML
2	0	BU	2926	Hydrocarbon Injector High Control	I	LML

R6A Terminating Resistor - High Speed Bus



Connector Part Information

Harness Type: Chassis

OEM Connector: 13510085

Service Connector: 13580114

Description: 2-Way F 150 GT Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1

R6A Terminating Resistor - High Speed Bus

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
B	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-

S3 Transmission Shift Lever

Connector Part Information

Harness Type:

OEM Connector: HCMDWSB-04-K

Service Connector: Service by Harness - See Part Catalog

Description: 4 M

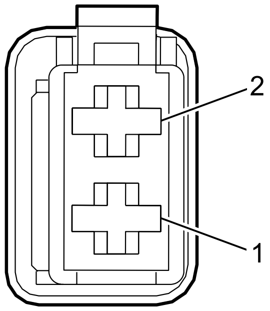
Terminal Part Information

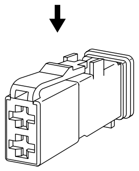
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S3 Transmission Shift Lever

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU/GY	553	Shift Select Switch Performance Signal	I	-
2	0.5	BK/WH	1851	Signal Ground	I	-
3	0.5	VT/YE	5526	Tap Up/Tap Down Switch Signal	I	-
4	0.5	BK/WH	1851	Signal Ground	I	-

S5 Center Console Compartment Lamp Switch





Connector Part Information

Harness Type: Floor Console

OEM Connector: 10787635

Service Connector: 19167758

Description: 2-Way F 1.2 Timer Series (NA)

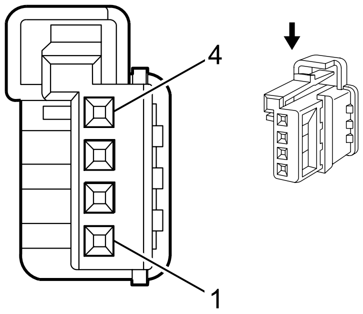
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-560	964274-2	16	E	1

S5 Center Console Compartment Lamp Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BN	6815	Inadvertent Power Control	I	-
2	0.5	WH/BN	6815	Inadvertent Power Control	I	-

S12 Dome Lamp Switch



Connector Part Information

Harness Type: Overhead Console

OEM Connector: 13862319

Service Connector: 13587956

Description: 4-Way F 0.64 Micro Quadlok Series (BK)

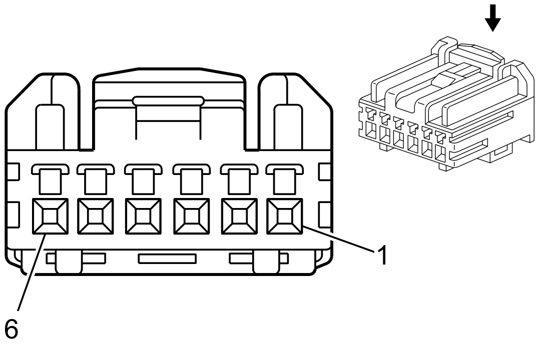
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	J	J
II	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	H	H

S12 Dome Lamp Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	1050	Ground	I	-
2	0.35	GY/L-GN	328	Interior Lamp Defeat Switch Signal	II	-
3	0.35	GY	156	Courtesy Lamp Switch Signal	II	-
4	0.35	YE	6817	LED Backlight Dimming Control	II	-

S13D Door Lock Switch - Driver



Connector Part Information

Harness Type: Driver Door Trim

OEM Connector: 15484551

Service Connector: 19153174

Description: 6-Way F 0.64 HCM Series (BK)

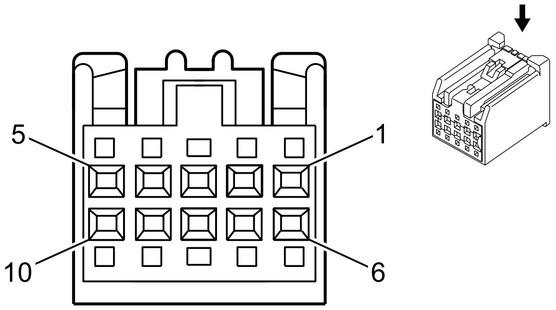
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	SHCM-A03T-P025	20	J	J

S13D Door Lock Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.35	YE	6817	LED Backlight Dimming Control	I	-
3	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	I	-
4	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	I	-
5	0.35	BK	1150	Ground	I	-
6	-	-	-	Not Occupied	-	-

S13D Door Lock Switch - Driver



Connector Part Information

Harness Type: Driver Door Trim

OEM Connector: 13815336

Service Connector: 13577390

Description: 10-Way F 0.64 Kaizen Series (BK)

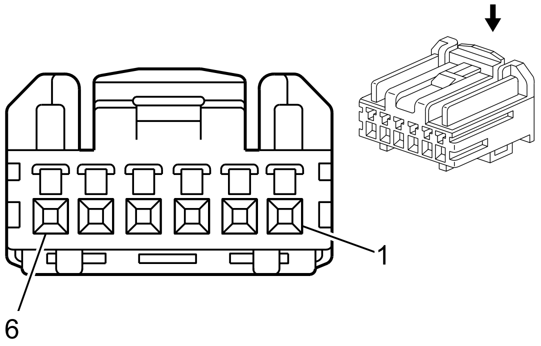
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

S13D Door Lock Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1150	Ground	I	-
2-3	-	-	-	Not Occupied	-	-
4	0.35	YE	6817	LED Backlight Dimming Control	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	I	-
7	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	I	-
8-10	-	-	-	Not Occupied	-	-

S13P Door Lock Switch - Passenger



Connector Part Information

Harness Type: Passenger Door Trim

OEM Connector: 15484551

Service Connector: 19153174

Description: 6-Way F 0.64 HCM Series (BK)

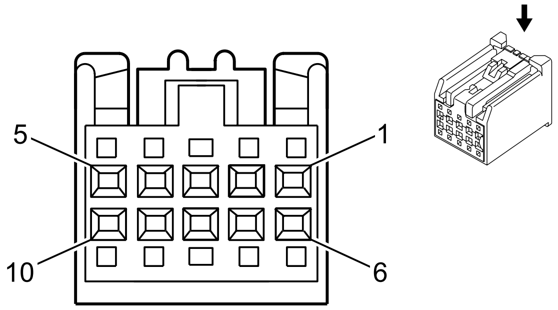
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	SHCM-A03T-P025	20	J	J

S13P Door Lock Switch - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.35	YE	6817	LED Backlight Dimming Control	I	-
3	0.35	YE/VT	244	Passenger Door Lock Switch Lock Control	I	-
4	0.35	BN/VT	245	Passenger Door Lock Switch Unlock Control	I	-
5	0.35	BK	1250	Ground	I	-
6	-	-	-	Not Occupied	-	-

S13P Door Lock Switch - Passenger



Connector Part Information

Harness Type: Passenger Door Trim

OEM Connector: 13815336

Service Connector: 13577390

Description: 10-Way F 0.64 Kaizen Series (BK)

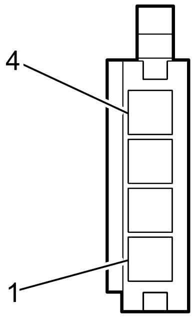
Terminal Part Information

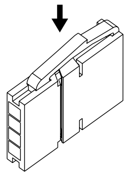
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

S13P Door Lock Switch - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1250	Ground	I	-
2-3	-	-	-	Not Occupied	-	-
4	0.35	YE	6817	LED Backlight Dimming Control	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	YE/VT	244	Passenger Door Lock Switch Lock Control	I	-
7	0.35	BN/VT	245	Passenger Door Lock Switch Unlock Control	I	-
8-10	-	-	-	Not Occupied	-	-

S25 Garage Door Opener





Connector Part Information

Harness Type: Overhead Console

OEM Connector: 13879342

Service Connector: No SDC/FSU

Description: 4-Way F 0.50 OCS Series (BK)

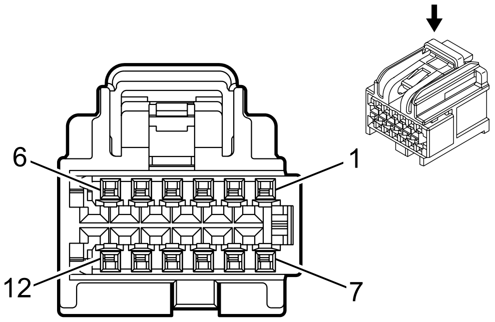
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

S25 Garage Door Opener

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/YE	240	Battery Positive Voltage	I	-
2	0.35	YE	6817	LED Backlight Dimming Control	I	-
3	-	-	-	Not Occupied	-	-
4	0.35	BK	1050	Ground	I	-

S30 Headlamp Switch



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13782625

Service Connector: 19301730

Description: 12-Way F 0.64 Series (BK)

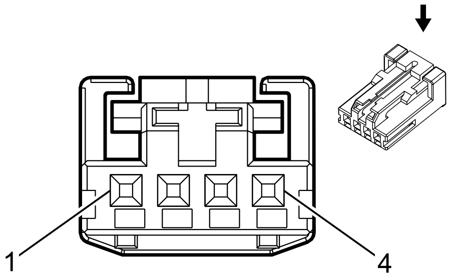
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

S30 Headlamp Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/VT	103	Headlamp Switch On Signal	I	-
2	0.5	YE	6817	LED Backlight Dimming Control	I	-
3	0.35	L-GN/BN	306	Headlamp Switch Headlamps Off Signal Control	I	-
4	-	-	-	Not Occupied	-	-
5	0.35	L-GN/GY	13	Headlamp Switch Park Lamp Signal	I	-
6	-	-	-	Not Occupied	-	-
7	0.35	BK/YE	5005	Instrument Panel Lamp Dimmer Switch Low Reference	I	-
8	0.5	BK	1850	Ground	I	-
9	-	-	-	Not Occupied	-	-
10	0.35	D-BU/GY	192	Front Fog Lamp Switch Signal	I	-
11	0.35	YE/GY	44	Instrument Panel Lamp Dimmer Switch Signal	I	-
12	0.35	D-BU/RD	1688	5 Volt Reference	I	-

S31D Seat Heating and Cooling Switch - Driver



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13853727

Service Connector: 19300597

Description: 4-Way F 0.64 Micro Quadlock Series (BK)

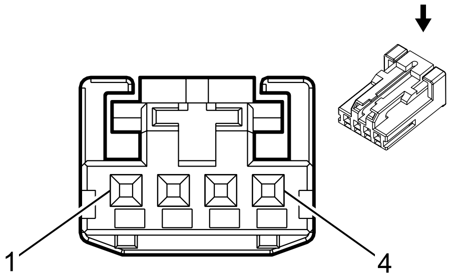
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	J	J
II	Pending	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	H	H

S31D Seat Heating and Cooling Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	1850	Ground	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	L-GN/WH	7527	Linear Interconnect Network Bus 5	I	-
4	0.35	RD/GY	2840	Battery Positive Voltage	II	-

S31P Seat Heating and Cooling Switch - Passenger



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13853727

Service Connector: 19300597

Description: 4-Way F 0.64 Micro Quadlock Series (BK)

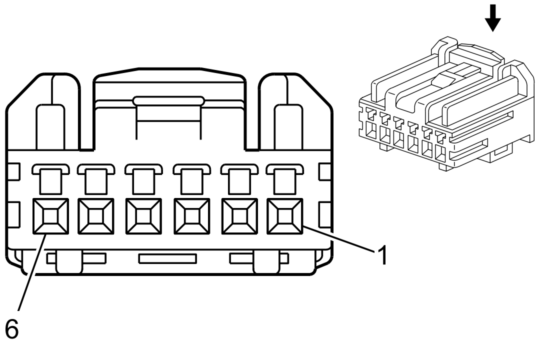
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	H	H
II	13575390	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	J	J

S31P Seat Heating and Cooling Switch - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/GY	2840	Battery Positive Voltage	I	-
2	0.5	L-GN/WH	7527	Linear Interconnect Network Bus 5	II	-
3	-	-	-	Not Occupied	-	-
4	0.5	BK	1850	Ground	II	-

S38 Ignition Switch



Connector Part Information

Harness Type:

OEM Connector: HCMPB-C06-K

Service Connector: 19153174

Description: 6 F 0.64 HCM Series (BK)

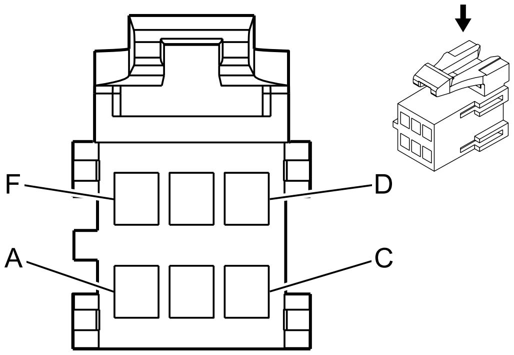
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S38 Ignition Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.5	VT/BK	3	Run/Crank Ignition 1 Voltage	I	-
3	0.5	VT/YE	4	Accessory Voltage	I	-
4	0.5	RD/D-BU	540	Battery Positive Voltage	I	-
5	0.5	WH/VT	1020	Off/Run/Crank Voltage	I	-
6	0.5	WH/BK	1073	Ignition Key Resistor Signal	I	-

S40 Passenger Air Bag Disable Switch



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 15305286

Service Connector: 15306014

Description: 6-Way F 150 Metri Pack Series (YE)

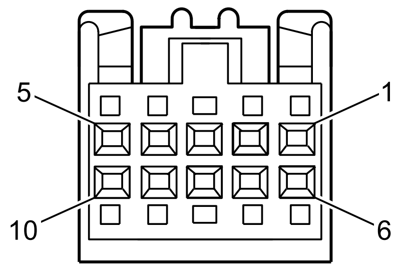
Terminal Part Information

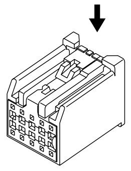
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327107	J-35616-14 (GN)	J-38125-12A	12129484	19	E	C

S40 Passenger Air Bag Disable Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	D-BU/OG	7328	Passenger IP Module Disable Switch Return	I	-
B-C	-	-	-	Not Occupied	-	-
D	0.35	VT/OG	371	Passenger IP Module Disable Switch Signal	I	-
E-F	-	-	-	Not Occupied	-	-

S47D Seat Memory Switch - Driver





Connector Part Information

Harness Type: Driver Door Trim

OEM Connector: 13815336

Service Connector: 13577390

Description: 10-Way F 0.64 Kaizen Series (BK)

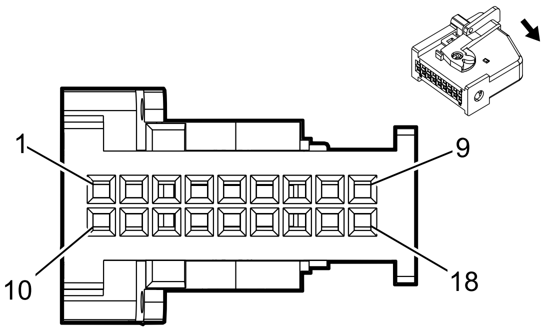
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

S47D Seat Memory Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/D-BU	5978	Memory Switch Low Reference	I	-
2	0.35	YE	6817	LED Backlight Dimming Control	I	-
3-4	-	-	-	Not Occupied	-	-
5	0.35	D-BU/L-GN	614	Memory Seat Switch Set Signal	I	-
6	0.35	WH	615	Memory Seat Switch Signal (1)	I	-
7-10	-	-	-	Not Occupied	-	-

S48A Multifunction Switch - Instrument Panel X1



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 10820548

Service Connector: Pending

Description: 18-Way F 0.64 Series (BK)

Terminal Part Information

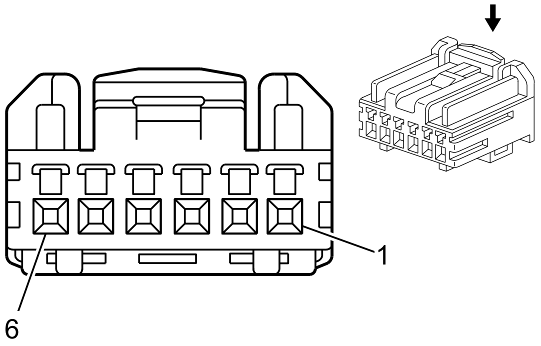
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	H	H
II	Pending	J-35616-64B (L-BU)	J-38125-12A	928999-5	15	J	J

S48A Multifunction Switch - Instrument Panel X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	-
2	0.35	WH	6816	Indicator Dimming Control	I	-
3	-	-	-	Not Occupied	-	-
4	0.35	D-BU/YE	6844	ABS/TCS Hill Descent Control Switch Signal	I	-
5	0.35	WH	3152	Lane Departure Warning Indicator Control	I	-
6	0.35	L-GN/BN	5852	Rear Park Assist LED Disable Signal	I	-
7	0.5	BN/WH	1429	Standing Lamp Relay Control	II	-
8	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	I	-
9	0.35	GY/L-GN	2555	Rear Park Assist Disable Signal	I	-
10	0.5	D-BU/L-GN	964		II	-
11	0.5	D-BU/L-GN	963		II	-
12	0.5	D-BU/L-GN	961		II	-
13	0.5	D-BU/L-GN	962		II	-
14	0.5	BK	1850	Ground	II	-

15	0.35	WH/GY	5285	Adjustable Pedal Switch Rearward Signal	I	-
16	0.35	L-GN/GY	5286	Adjustable Pedal Switch Forward Signal	I	-
17	0.35	D-BU/VT	1788	Traction Control Switch Signal (1)	I	-
18	0.5	GY	158	Cargo Lamp Switch Signal	II	-

S48A Multifunction Switch - Instrument Panel X2



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 15488869

Service Connector: 19115655

Description: 6-Way F 0.64 HCM Series (BK)

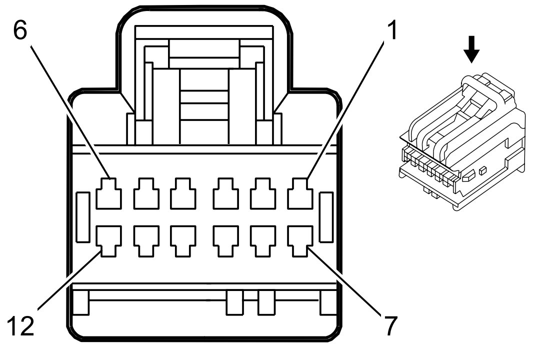
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	SHCM-A03T-P025	20	J	J

S48A Multifunction Switch - Instrument Panel X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN/L-GN	4311	Power Take Off Enable In Cab Switch Normally Closed Signal	I	-
2	0.35	L-GN/WH	488	Power Take Off Enable Switch	I	-
3	0.35	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	-
4	0.5	L-GN/YE	2081	Exhaust Brake Switch Control	I	-
5	0.35	L-GN/WH	3438	Exhaust Brake Switch Signal	I	-
6	-	-	-	Not Occupied	-	-

S52 Outside Rearview Mirror Switch



Connector Part Information

Harness Type: Driver Door Trim

OEM Connector: 13889385

Service Connector: Service by Harness - See Part Catalog

Description: 12-Way F 64 Series, Sealed (BN)

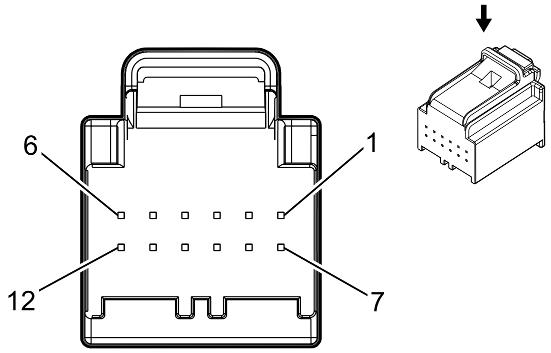
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587474	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	P	P
II	13581376	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

S52 Outside Rearview Mirror Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/BN	3394	Driver Mirror Position Sensor Up (+) Down (-) Signal	I	-
2	0.35	VT/RD	3392	Driver Mirror Position Sensor High Reference	I	-
3	0.75	BK	1150	Ground	II	-
4	0.75	VT/D-BU	3390	Driver Mirror Motor Up (+) Down (-) Control	II	-
5	0.75	WH/L-GN	3412	Driver Mirror Motor Fold In Control	II	-
6	0.75	YE/BN	3391	Driver Mirror Motor Common Control	II	-
7	0.35	WH/YE	3395	Driver Mirror Position Sensor Left (-) Right (+) Signal	I	-
8	0.35	BK/BN	3393	Driver Mirror Position Sensor Low Reference	I	-
9	0.5	L-GN/WH	7530	Linear Interconnect Network Bus 8	I	-
10	0.75	RD/VT	1940	Battery Positive Voltage	II	-
11	0.75	BN/BK	3389	Driver Mirror Motor Right (+) Left (-) Control	II	-
12	0.75	GY/WH	3411	Driver Mirror Motor Fold Out Control	II	-

S52 Outside Rearview Mirror Switch



Connector Part Information

Harness Type: Driver Door Trim

OEM Connector: 13587624

Service Connector: 19151154

Description: 12-Way F 64 Series, Sealed (GY)

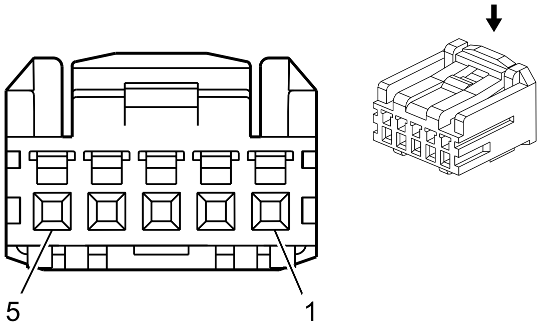
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

S52 Outside Rearview Mirror Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE/VT	3397	Co-Driver Mirror Motor Up (+) Down (-) Control	I	-
2	0.75	WH/L-GN	3412	Driver Mirror Motor Fold In Control	I	-
3	0.75	YE/BN	3391	Driver Mirror Motor Common Control	I	-
4	0.75	L-GN/BK	3396	Co-Driver Mirror Motor Right (+) Left (-) Control	I	-
5	0.75	BK	1150	Ground	I	-
6	0.35	YE	6817	LED Backlight Dimming Control	II	-
7	0.75	VT/D-BU	3390	Driver Mirror Motor Up (+) Down (-) Control	I	-
8	0.75	WH	3398	Co-Driver Mirror Motor Common Control	I	-
9	0.75	GY/WH	3411	Driver Mirror Motor Fold Out Control	I	-
10	0.75	BN/BK	3389	Driver Mirror Motor Right (+) Left (-) Control	I	-
11	-	-	-	Not Occupied	-	-
12	0.75	RD/VT	1940	Battery Positive Voltage	I	-

S63 Roof Beacon Switch



Connector Part Information

Harness Type: Overhead Console

OEM Connector: 15491277

Service Connector: 88988747

Description: 5-Way F HCM Series (BK)

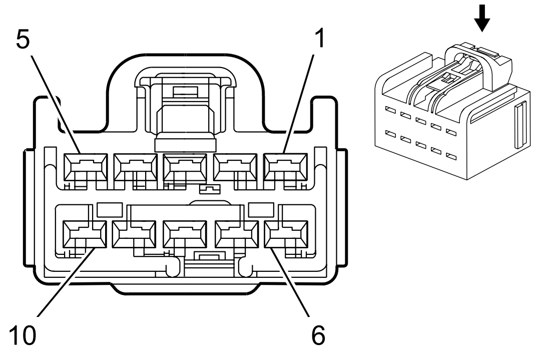
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-12A	SHCM-A03T-P025	20	J	J

S63 Roof Beacon Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	1050	Ground	I	-
2	0.5	YE	6817	LED Backlight Dimming Control	I	-
3	0.5	RD/YE	240	Battery Positive Voltage	I	-
4	0.5	WH/BK	5990	Emergency Lamp Switch Signal	I	-
5	-	-	-	Not Occupied	-	-

S64D Seat Adjuster Switch - Driver X1



Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 7283-6457-40

Service Connector: 19167919

Description: 10-Way F Kaizen YESC Series (L-GY)

Terminal Part Information

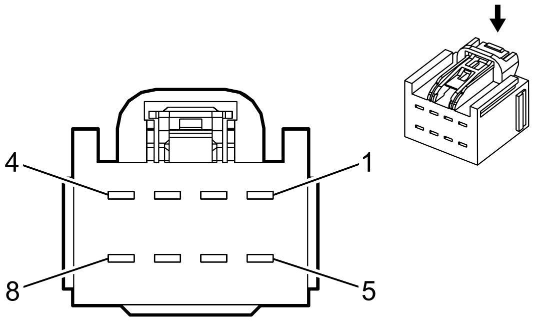
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S64D Seat Adjuster Switch - Driver X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5 0.5	L-GN/BN L-GN/BN	286 1518	Driver Power Seat Front Vertical Motor Up Control Power Seat Front Vertical Up Switch Signal	I	-
2	2.5	BK	1150	Ground	I	-
3	1.5 0.5	YE/L-BU YE/BN	285 1522	Driver Power Seat Horizontal Motor Forward Control Power Seat Horizontal Forward Switch Signal	I	-
4	1.5 0.5	L-GN/YE GY/BK	276 1269	Driver Power Seat Recline Motor Forward Control Power Seat Recline Forward Switch Signal	I	-
5	1.5 0.5	L-BU/VT L-BU/VT	287 1520	Driver Power Seat Front Vertical Motor Down Control Power Seat Front Vertical Down Switch Signal	I	-
6	0.35 2.5	BK RD/YE	1150 5040	Ground Battery Positive Voltage	I	-
7	1.5 0.5	GY/L-GN GY/L-GN	284 1523	Driver Power Seat Horizontal Motor Rearward Control Power Seat Horizontal Rearward Switch Signal	I	-
8	1.5 0.5	YE YE	282 1519	Driver Power Seat Rear Vertical Motor Up Control Power Seat Rear Vertical Up Switch Signal	I	-
9	1.5 0.5	L-BU/YE L-GN/GY	277 1270	Driver Power Seat Recline Motor Rearward Control Power Seat Recline Rearward Switch Signal	I	-
10	1.5	GY/L-BU	283	Driver Power Seat Rear Vertical Motor Down Control	I	-

10	1.5 0.5	GY/L-BU YE/L-BU	283 1521	Driver Power Seat Rear Vertical Motor Down Control Power Seat Rear Vertical Down Switch Signal	I	-

S64D Seat Adjuster Switch - Driver X2



Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 7283-3243-40

Service Connector: 13581036

Description: 8-Way F 2.8 Series (L-GY)

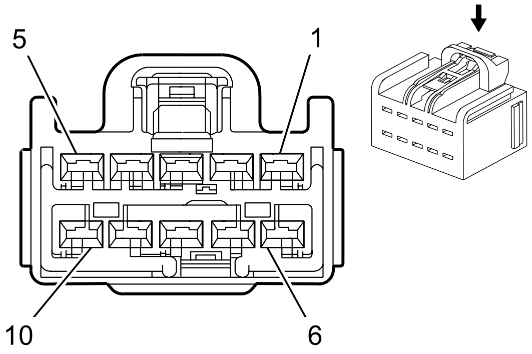
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S64D Seat Adjuster Switch - Driver X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	1066	Driver Seat Lumbar Up Switch Signal	I	-
2	0.5 1.5	YE L-BU	1065 611	Driver Seat Lumbar Forward Switch Signal Driver Power Seat Lumbar Motor Forward Control	I	-
3-4	-	-	-	Not Occupied	-	-
5	0.5	YE/BK	1067	Driver Seat Lumbar Down Switch Signal	I	-
6	1.5 0.5	VT L-BU/VT	610 1064	Driver Power Seat Lumbar Motor Rearward Control Driver Seat Lumbar Rearward Switch Signal	I	-
7-8	-	-	-	Not Occupied	-	-

S64P Seat Adjuster Switch - Passenger X1



Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 7283-6457-40

Service Connector: 19167919

Description: 10-Way F Kaizen YESC Series (L-GY)

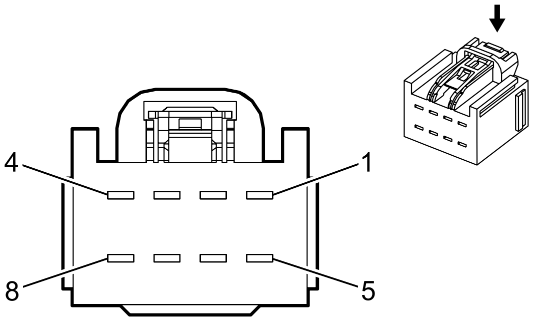
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S64P Seat Adjuster Switch - Passenger X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	L-GN/L-BU	298	Passenger Power Seat Front Vertical Motor Down Control	I	-
2	1.5	L-GN	76	Passenger Power Seat Recline Motor Forward	I	-
3	1.5	YE/WH	296	Passenger Power Seat Horizontal Motor Forward Control	I	-
4	1.5	L-GN/VT	297	Passenger Power Seat Front Vertical Motor Up Control	I	-
5	2.5	BK	1250	Ground	I	-
6	1.5	L-BU/WH	289	Passenger Power Seat Rear Vertical Motor Down Control	I	-
7	1.5	L-BU/BN	77	Passenger Power Seat Recline Motor Rearward	I	-
8	1.5	L-GN/WH	288	Passenger Power Seat Rear Vertical Motor Up Control	I	-
9	1.5	YE/L-BU	290	Passenger Power Seat Horizontal Motor Rearward Control	I	-
10	2.5	RD/BN	1440	Battery Positive Voltage	I	-

S64P Seat Adjuster Switch - Passenger X2



Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 7283-3243-40

Service Connector: 13581036

Description: 8-Way F 2.8 Series (L-GY)

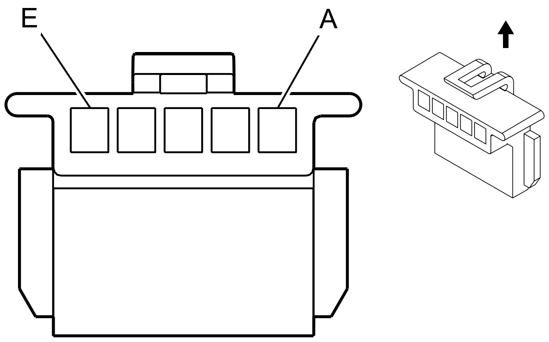
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S64P Seat Adjuster Switch - Passenger X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	1.5	VT	210	Passenger Power Seat Lumbar Motor Rearward Control	I	-
4	1.5	BN/YE	793	Passenger Power Seat Lumbar Motor Up Control	I	-
5	-	-	-	Not Occupied	-	-
6	1.5	L-BU	211	Passenger Power Seat Lumbar Motor Forward Control	I	-
7	-	-	-	Not Occupied	-	-
8	1.5	L-BU/YE	792	Passenger Power Seat Lumbar Motor Down Control	I	-

S68 Sliding Rear Window Switch



Connector Part Information

Harness Type: Overhead Console

OEM Connector: 12124997

Service Connector: 12167130

Description: 5-Way F 150 Metri Pack Series (BK)

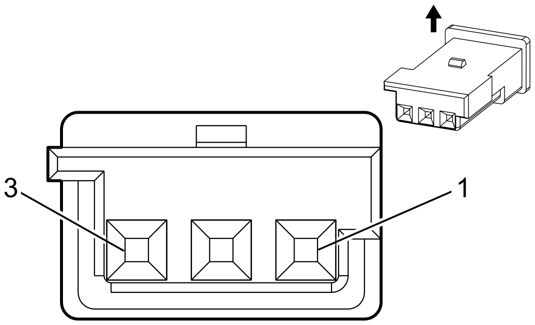
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-12A	12103359	18	E	C

S68 Sliding Rear Window Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	VT/YE	43	Accessory Voltage	I	-
B	0.35	WH	6192	Power Sliding Window Switch Close Signal	I	-
C	0.35	YE/VT	6191	Power Sliding Window Switch Open Signal	I	-
D	0.5	BK	1050	Ground	I	-
E	0.35	YE	6817	LED Backlight Dimming Control	I	-

S70F Steering Wheel Controls Switch - Radio Volume



Connector Part Information

Harness Type:

OEM Connector:

Service Connector: 13576530

Description: 3 F Micro Quadlock Series (PU)

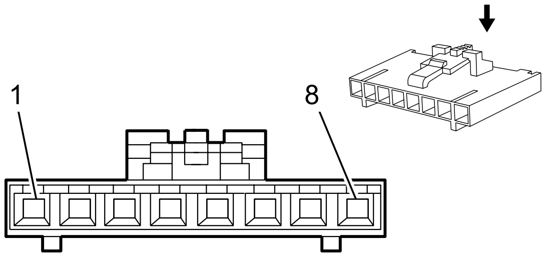
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S70F Steering Wheel Controls Switch - Radio Volume

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU	4315	Radio Volume Up Signal	I	-
2	0.5	GN/BN	4314	Radio Volume Down Signal	I	-
3	0.5	BK	1550	Ground	I	-

S72 Sunroof Switch



Connector Part Information

Harness Type: Overhead Console

OEM Connector: 12103492

Service Connector: 89046705

Description: 8-Way F 0.64 SL Series (BK)

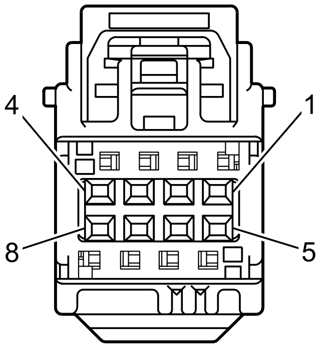
Terminal Part Information

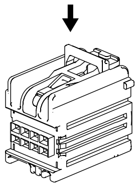
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-213	16-02-1110	20	H	H

S72 Sunroof Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN/D-BU	2074	Sunroof Switch Express Signal	I	-
2	0.35	YE/VT	144	Sunroof Switch Open Vent Signal	I	-
3	0.35	YE	6817	LED Backlight Dimming Control	I	-
4	0.35	D-BU/WH	110	Sunroof Switch Close Signal	I	-
5	-	-	-	Not Occupied	-	-
6	0.35	L-GN/WH	100	Sunroof Switch Open Signal	I	-
7	0.35	BK	1050	Ground	I	-
8	0.35	GY/VT	2075	Sunroof Switch Close Vent Signal	I	-

S76 Trailer Brake Control Switch





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13518475

Service Connector: 13576542

Description: 8-Way F YESC Kaizen Series (BK)

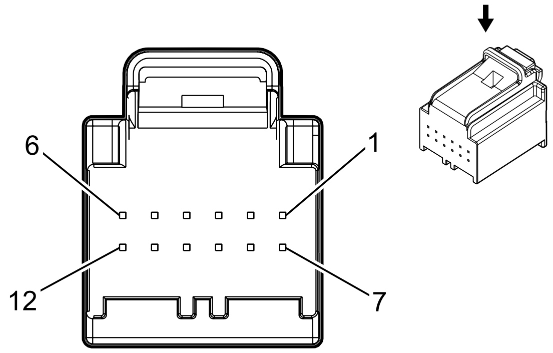
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

S76 Trailer Brake Control Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.5	D-BU/RD	7632	Integrated Trailer Brake Controller Switch 5 Volt Reference	I	-
4	0.5	YE	7635	Integrated Trailer Brake Controller Manual Apply Signal	I	-
5	0.5	BN	7634	Integrated Trailer Brake Contoller Redundant Manual Apply Signal	I	-
6	0.5	L-GN/BK	7633	Integrated Trailer Brake Controller User Gain Signal	I	-
7	0.35	YE	6817	LED Backlight Dimming Control	II	-
8	0.5	BK/BN	7631	Integrated Trailer Brake Controller Switch Low Reference	I	-

S77 Transfer Case Shift Control Switch



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13587624

Service Connector: 19151154

Description: 12-Way F 64 Series, Sealed (GY)

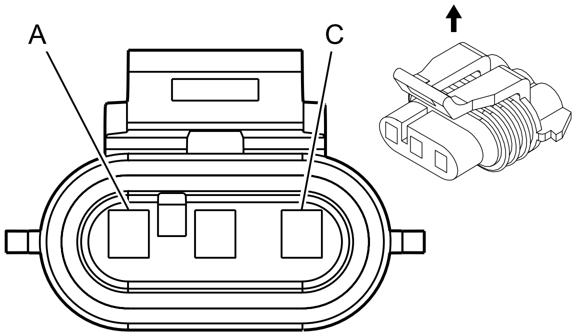
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

S77 Transfer Case Shift Control Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.5	VT/BN	300	Run Ignition 3 Voltage	I	-
3	0.35	BN	1560	Neutral Indicator Control	I	-
4	0.35	WH	6816	Indicator Dimming Control	I	-
5	0.35	YE	6817	LED Backlight Dimming Control	I	-
6	0.5	BK	1050	Ground	I	-
7	0.35	GY/L-GN	1561	AWD Indicator Control	I	-
8	0.35	L-GN/BK	1563	2 HI Indicator Control	I	-
9	0.35	BN/BK	1566	4 HI Indicator Control	I	-
10	0.35	VT/WH	1565	4 LO Indicator Control	I	-
11	0.35	GY/RD	6029	Four Wheel Drive Mode Switch 5 Volt Reference	I	-
12	0.35	D-BU/YE	1693	Four Wheel Drive Switch Signal	I	-

S77 Transfer Case Shift Control Switch



Connector Part Information

Harness Type: Engine

OEM Connector: 12059595

Service Connector: 13585316

Description: 3-Way F 150 Metri Pack Series, Sealed (BK)

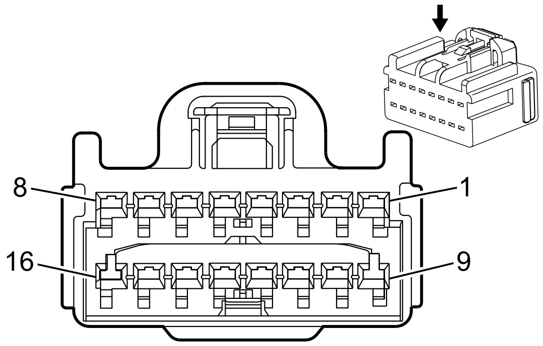
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	2	1
II	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1
III	13588112	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1

S77 Transfer Case Shift Control Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1	BK	550	Ground	I	-
B	0.5	GY/BK	1694	Four Wheel Drive Low Signal	II	-
C	0.5	GY/BK	1570	Front Axle Actuator Control	II	-

S78 Turn Signal Multifunction Switch X1



Connector Part Information

Harness Type:

OEM Connector: 7283-6453-60

Service Connector: 89047090

Description: 16 F Kaizen YESC Series (GN)

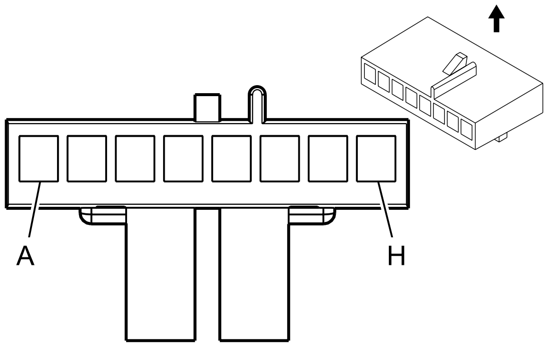
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S78 Turn Signal Multifunction Switch X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	0.5	GY	1715	Windshield Wiper Switch High Signal	I	-
5	-	-	-	Not Occupied	-	-
6	0.5	WH/BK	94	Windshield Washer Switch Signal	I	-
7	0.5	BK/GY	6009	Low Reference	I	-
8	0.5	YE/BU	1714	Windshield Wiper Switch Low Signal	I	-
9	-	-	-	Not Occupied	-	-
10	0.5	YE/BN	307	Headlamp Switch Flash To Pass Signal	I	-
11-12	-	-	-	Not Occupied	-	-
13	0.5	BK/WH	1851	Signal Ground	I	-
14	0.5	WH	524	Headlamp Dimmer Switch High Beam Signal	I	-
15-16	-	-	-	Not Occupied	-	-

S78 Turn Signal Multifunction Switch X2



Connector Part Information

Harness Type:

OEM Connector: 15466859

Service Connector: Service by Harness - See Part Catalog

Description: 8 F 150 Metri Pack Series (L-GY)

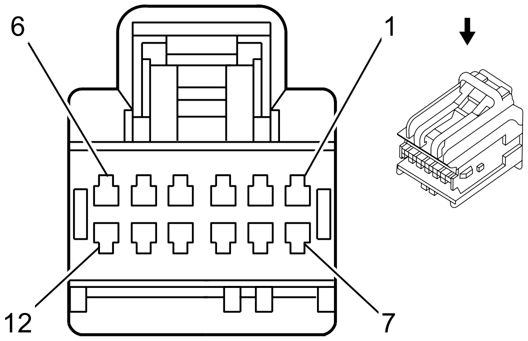
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

S78 Turn Signal Multifunction Switch X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A-B	-	-	-	Not Occupied	-	-
C	0.5	BK/WH	1851	Signal Ground	I	-
D	0.5	VT/BU	664	Hazard Switch Right Turn Signal	I	-
E	0.5	WH/GN	663	Hazard Switch Left Turn Signal	I	-
F	0.5	BK/WH	1851	Signal Ground	I	-
G	0.5	GN/WH	111	Hazard Switch Signal	I	-
H	-	-	-	Not Occupied	-	-

S79D Window Switch - Driver



Connector Part Information

Harness Type: Driver Door Trim

OEM Connector: 13551678

Service Connector: 89047364

Description: 12-Way F 0.64 Series (BK)

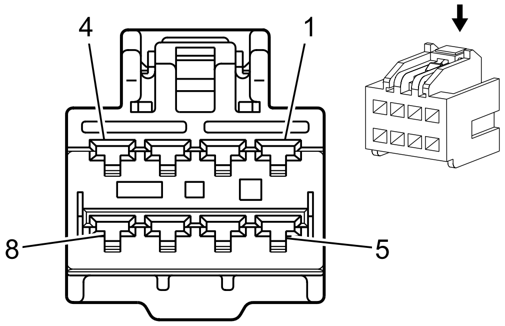
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

S79D Window Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	1150	Ground	I	-
2	0.35	L-GN/VT	7628	Power Window Motor Left Front Express Control	II	-
3	0.35	GY	1136	Power Window Master Switch Left Front Down Signal	II	-
4	0.5	RD/VT	1940	Battery Positive Voltage	II	-
5	0.5	L-GN/YE	6134	Linear Interconnect Network Bus 3	II	-
6	0.35	L-GN/WH	1300	Power Window Master Switch Left Front Up Signal	II	-
7	0.35	WH/VT	3270	Driver Door Lock Motor Status	II	-
8	0.35	D-BU/VT	1124	Door Lock Key Switch Unlock Signal	II	-
9	-	-	-	Not Occupied	-	-
10	0.35	YE/BN	3265	Child Security Lock Switch Signal	II	-
11	0.35	WH	6816	Indicator Dimming Control	II	-
12	0.35	GY	5697	Child Lockout Indicator	II	-

S79LR Window Switch - Left Rear



Connector Part Information

Harness Type: Left Rear Door

OEM Connector: 15491286

Service Connector: 13580111

Description: 8-Way F 2.8 Series (BK)

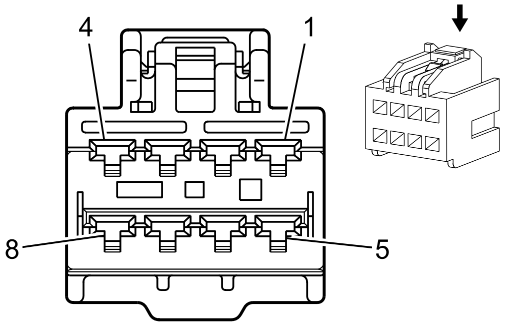
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-553	8100-4443	22	E	A
II	Pending	J-35616-35 (VT)	J-38125-553	8100-4445	22	F	D

S79LR Window Switch - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/GY	6135	Linear Interconnect Network Bus 4	I	-
2	0.35	GY/WH	747	Left Rear Door Ajar Switch Signal	I	-
3	0.5	BK	1150	Ground	I	-
4	-	-	-	Not Occupied	-	-
5	2.5	BK	1150	Ground	II	-
6	2.5	D-BU/VT	668	Power Window Motor Left Rear Up Control	II	-
7	2.5	YE/D-BU	669	Power Window Motor Left Rear Down Control	II	-
8	2.5	RD/D-BU	1842	Battery Positive Voltage	II	-

S79P Window Switch - Passenger



Connector Part Information

Harness Type: Passenger Door Trim

OEM Connector: 15491286

Service Connector: 13580111

Description: 8-Way F 2.8 Series (BK)

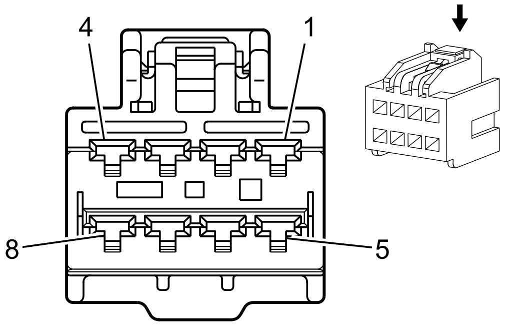
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-553	8100-4445	22	F	D
II	Pending	J-35616-35 (VT)	J-38125-553	8100-4443	22	E	A

S79P Window Switch - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BK	1250	Ground	I	-
2	2.5	L-GN/GY	3387	Power Window Motor Co-Driver Up Control	I	-
3	2.5	YE/D-BU	3388	Power Window Motor Co-Driver Down Control	I	-
4	2.5	RD/WH	1340	Battery Positive Voltage	I	-
5	0.5	L-GN/YE	6134	Linear Interconnect Network Bus 3	II	-
6-7	-	-	-	Not Occupied	-	-
8	0.35	GY	746	Right Front Door Ajar Switch Signal	II	-

S79P Window Switch - Passenger X1



Connector Part Information

Harness Type: Passenger Door Trim

OEM Connector: 15491286

Service Connector: 13580111

Description: 8-Way F 2.8 Series (BK)

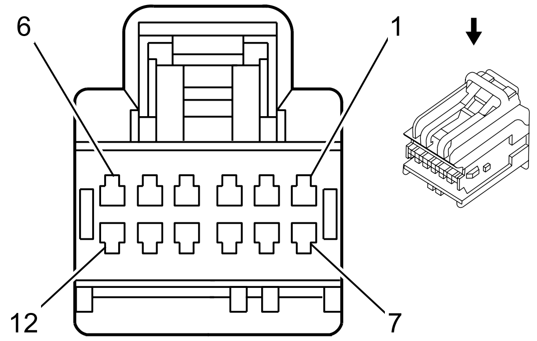
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	J-38125-553	8100-4445	22	F	D
II	Not Available	J-35616-35 (VT)	J-38125-553	8100-4443	22	E	A

S79P Window Switch - Passenger X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BK	1250	Ground	I	-
2	2.5	L-GN/GY	3387	Power Window Motor Co-Driver Up Control	I	-
3	2.5	YE/D-BU	3388	Power Window Motor Co-Driver Down Control	I	-
4	2.5	RD/WH	1340	Battery Positive Voltage	I	-
5	0.5	L-GN/YE	6134	Linear Interconnect Network Bus 3	II	-
6-7	-	-	-	Not Occupied	-	-
8	0.35	GY	746	Right Front Door Ajar Switch Signal	II	-

S79P Window Switch - Passenger X2



Connector Part Information

Harness Type: Passenger Door Trim

OEM Connector: 13551678

Service Connector: 89047364

Description: 12-Way F 0.64 Series (BK)

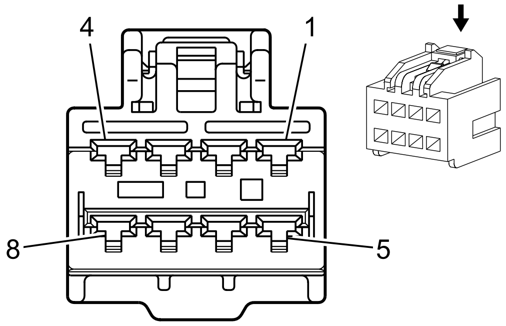
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

S79P Window Switch - Passenger X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE/WH	3413	Co-Driver Mirror Motor Fold Out Control	I	-
2	0.75	YE/VT	3397	Co-Driver Mirror Motor Up (+) Down (-) Control	I	-
3	0.75	WH	3398	Co-Driver Mirror Motor Common Control	I	-
4	0.35	YE/RD	3399	Co-Driver Mirror Position Sensor High Reference	II	-
5	0.35	D-BU/YE	3401	Co-Driver Mirror Position Sensor Up (+) Down (-) Signal	II	-
6	0.35	BK/L-GN	3400	Co-Driver Mirror Position Sensor Low Reference	II	-
7	0.75	D-BU/GY	3414	Co-Driver Mirror Motor Fold In Control	I	-
8	0.75	L-GN/BK	3396	Co-Driver Mirror Motor Right (+) Left (-) Control	I	-
9	0.5	L-GN/WH	7530	Linear Interconnect Network Bus 8	II	-
10	-	-	-	Not Occupied	-	-
11	0.35	VT/WH	3403	Co-Driver Mirror Position Sensor Left (-) Right (+) Signal	II	-
12	-	-	-	Not Occupied	-	-

S79RR Window Switch - Right Rear



Connector Part Information

Harness Type: Right Rear Door

OEM Connector: 15491286

Service Connector: 13580111

Description: 8-Way F 2.8 Series (BK)

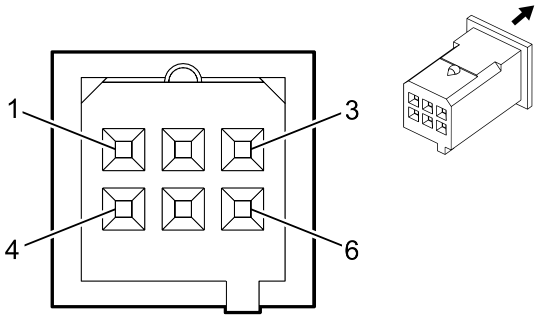
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-553	8100-4443	22	E	A
II	Pending	J-35616-35 (VT)	J-38125-553	8100-4445	22	F	D

S79RR Window Switch - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/GY	6135	Linear Interconnect Network Bus 4	I	-
2	0.35	GY/WH	748	Right Rear Door Ajar Switch Signal	I	-
3-4	-	-	-	Not Occupied	-	-
5	2.5	BK	1250	Ground	II	-
6	2.5	D-BU/GY	670	Power Window Motor Right Rear Up Control	II	-
7	2.5	L-GN/BK	671	Power Window Motor Right Rear Down Control	II	-
8	2.5	RD/WH	1340	Battery Positive Voltage	II	-

S135 Rollover Protection Disable Switch



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13548426

Service Connector: 13225892

Description: 6-Way F 0.64 Micro Quadlock Series (NA)

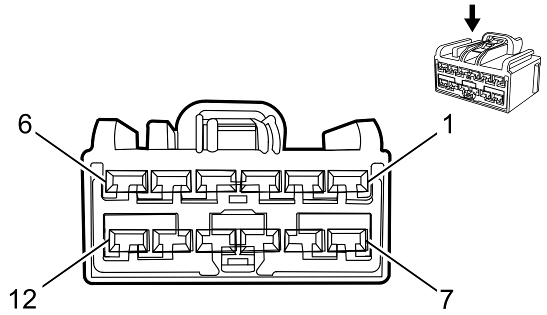
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-65B (L-BU)	J-38125-553	Not Available	Not Available	Not Available	Not Available

S135 Rollover Protection Disable Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/OG	371	Passenger IP Module Disable Switch Signal	I	-
2	0.35	D-BU/OG	7328	Passenger IP Module Disable Switch Return	I	-
3-6	-	-	-	Not Occupied	-	-

T1 Accessory DC/AC Power Inverter Module



Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 10846814
Service Connector: 13580444
Description: 12-Way F 2.8 Kaizen Series (L-GY)

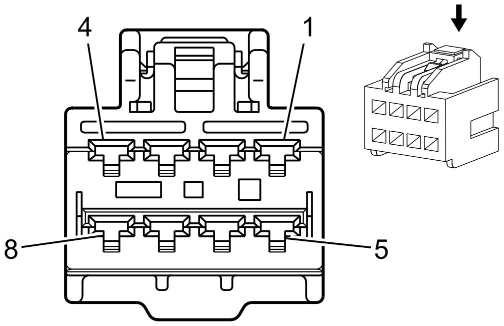
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-11A	7116-4112-02	9	Not Available	Not Available
II	Pending	J-35616-35 (VT)	J-38125-11A	7116-4112-02	9	C	D
III	Pending	J-35616-35 (VT)	J-38125-12A	1326030-6	17	E	C

T1 Accessory DC/AC Power Inverter Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	1.5	BK	5683	120 VAC Phase A	I	-
3-5	-	-	-	Not Occupied	-	-
6	2.5	RD/GY	4140	Battery Positive Voltage	II	-
7	1.5	RD	5684	120 VAC Phase B	I	-
8-9	-	-	-	Not Occupied	-	-
10	0.5	BARE	514	Drain Wire	I	-
11	2.5	BK	1050	Ground	II	-
12	0.35	D-BU/BN	6807	DC To AC Inverter Control	III	-

T3 Audio Amplifier X1



Connector Part Information

Harness Type: Body

OEM Connector: 15491286

Service Connector: 13580111

Description: 8-Way F 2.8 Series (BK)

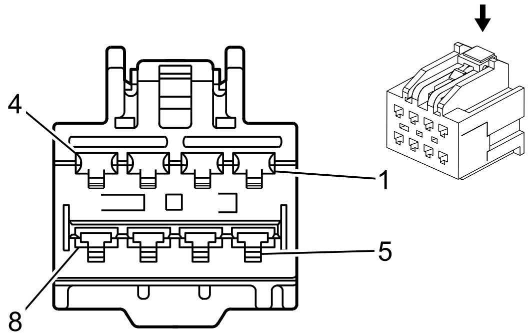
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-553	8100-4445	22	F	D
II	Pending	J-35616-35 (VT)	J-38125-553	8100-4444	22	2	A

T3 Audio Amplifier X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	D-BU/GY	346	Left/Rear Subwoofer Speaker (+)	I	-
2	1	YE	200	Right Front Speaker (+) (1)	II	-
3	1	D-BU	201	Left Front Speaker (+) (1)	II	-
4	2.5	RD/YE	3740	Battery Positive Voltage	I	-
5	2.5	GY/BK	315	Right Subwoofer Speaker (-)	I	-
6	1	YE/BK	117	Right Front Speaker Signal (-) (1)	II	-
7	1	BN/D-BU	118	Left Front Speaker Signal (-) (1)	II	-
8	2.5	BK	2550	Ground	I	-

T3 Audio Amplifier X1



Connector Part Information

Harness Type: Body

OEM Connector: 15491289

Service Connector: 19115652

Description: 8-Way F 2.8 Series (L-GY)

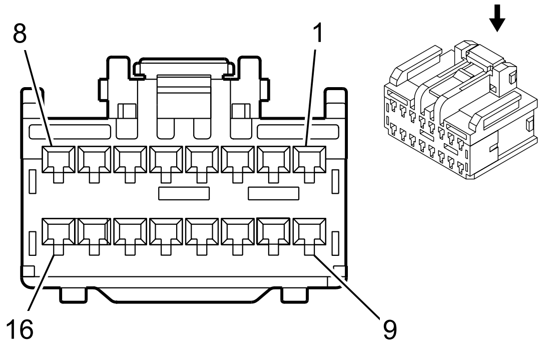
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	J-38125-553	8100-4445	22	F	D

T3 Audio Amplifier X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	YE	200	Right Front Speaker (+) (1)	I	-
2	-	-	-	Not Occupied	-	-
3	2.5	D-BU	201	Left Front Speaker (+) (1)	I	-
4	2.5	RD/YE	3740	Battery Positive Voltage	I	-
5	2.5	YE/BK	117	Right Front Speaker Signal (-) (1)	I	-
6	-	-	-	Not Occupied	-	-
7	2.5	BN/D-BU	118	Left Front Speaker Signal (-) (1)	I	-
8	2.5	BK	2550	Ground	I	-

T3 Audio Amplifier X2



Connector Part Information

Harness Type: Body

OEM Connector: 15489823

Service Connector: 15134091

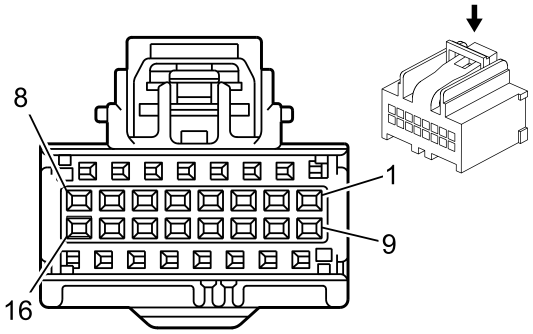
Description: 16-Way F 1.5 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-2A (GY)	J-38125-553	15496302	5	2	A

T3 Audio Amplifier X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	0.75	BN/L-GN	1852	Right Front Tweeter Speaker (+)	I	-
5	0.75	YE/D-BU	1856	Left Front Tweeter Speaker (+)	I	-
6	1	WH	46	Right Rear Speaker (+)	I	-
7	1	L-GN	199	Left Rear Speaker (+)	I	-
8-11	-	-	-	Not Occupied	-	-
12	0.75	VT/BN	1952	Right Front Tweeter Speaker (-)	I	-
13	0.75	YE/GY	1956	Left Front Tweeter Speaker (-)	I	-
14	1	D-BU/BK	115	Right Rear Speaker Signal (-)	I	-
15	1	L-GN/BK	116	Left Rear Speaker Signal (-)	I	-
16	-	-	-	Not Occupied	-	-



Connector Part Information

Harness Type: Body

OEM Connector: 15491285

Service Connector: 15136073

Description: 16-Way F Kaizen 64 Series (BK)

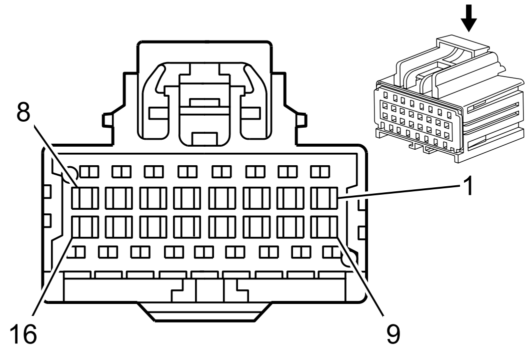
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	13587474	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	P	P

T3 Audio Amplifier X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	L-GN	5060	Low Speed GMLAN Serial Data	I	-
2	0.35	VT/D-BU	6091	Crankshaft Position Sensor Replicated Signal	II	-
3	-	-	-	Not Occupied	-	-
4	0.35	L-GN/BN	3005	Noise Reduction Microphone #1 Signal	II	-
5	0.35	D-BU/YE	3006	Noise Reduction Microphone #2 Signal	II	-
6	0.35	GY/D-BU	3007	Noise Reduction Microphone #3 Signal	II	-
7-11	-	-	-	Not Occupied	-	-
12	0.35	L-GN/BK	3008	Noise Reduction Microphone #1 Return	II	-
13	0.35	D-BU/BK	3009	Noise Reduction Microphone #2 Return	II	-
14	0.35	GY/BN	3010	Noise Reduction Microphone #3 Return	II	-
15-16	-	-	-	Not Occupied	-	-

T3 Audio Amplifier X4



Connector Part Information

Harness Type: Body

OEM Connector: 15466054

Service Connector: 15136074

Description: 16-Way F 0.64 Kaizen Series (BN)

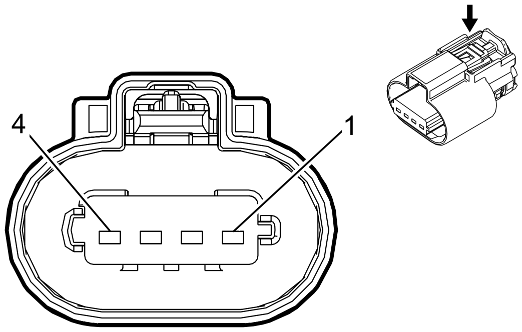
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13587474	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	P	P

T3 Audio Amplifier X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-2	-	-	-	Not Occupied	-	-
3	0.35	WH/GN	3997	MOST Serial Data (-)	I	-
4	0.35	GY/VT	3998	MOST Serial Data (+)	I	-
5	0.35	WH/GN	3997	MOST Serial Data (-)	I	-
6	0.35	GY/VT	3998	MOST Serial Data (+)	I	-
7-13	-	-	-	Not Occupied	-	-
14	0.35	WH/VT	3999	MOST Control	I	-
15-16	-	-	-	Not Occupied	-	-

T8A Ignition Coil 1 (1500)



Connector Part Information

Harness Type: Engine

OEM Connector: 13863211

Service Connector: 19301722

Description: 4-Way F 150 MX Series, Sealed (BK)

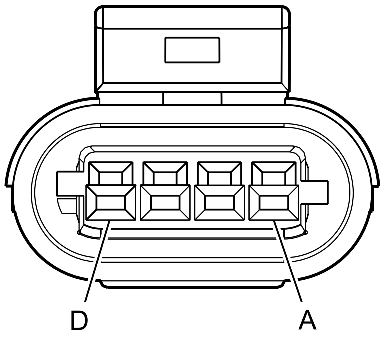
Terminal Part Information

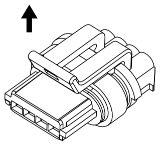
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available

T8A Ignition Coil 1 (1500)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	-
2	0.5	BK/D-BU	2129	Ignition Control Low Reference Bank 1	I	-
3	0.5	D-BU/VT	2121	Ignition Control (1)	I	-
4	0.75	VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-

T8A Ignition Coil 1 (L96)





Connector Part Information

Harness Type: Ignition Coil (Odd) Jumper

OEM Connector: 15439568

Service Connector: 88987184

Description: 4-Way F 150 GT Series, Sealed (BK)

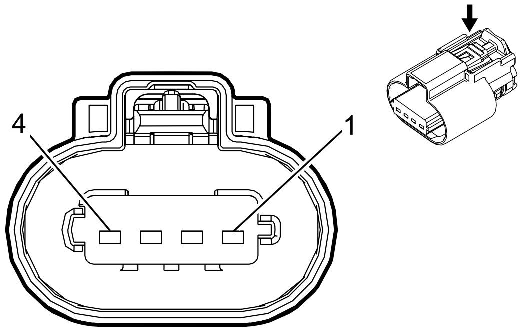
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

T8A Ignition Coil 1 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	151	Signal Ground	I	-
B	0.5	BN	2129	Ignition Control Low Reference Bank 1	II	-
C	0.5	PU	2121	Ignition Control (1)	II	-
D	0.8	PK	39	Run/Crank Ignition 1 Voltage	I	-

T8B Ignition Coil 2 (1500)



Connector Part Information

Harness Type: Engine

OEM Connector: 13863211

Service Connector: 19301722

Description: 4-Way F 150 MX Series, Sealed (BK)

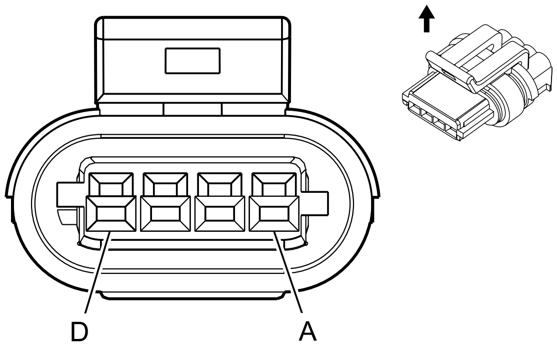
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available

T8B Ignition Coil 2 (1500)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	-
2	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	-
3	0.5	D-BU/WH	2122	Ignition Control (2)	I	-
4	0.75	VT/D-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-

T8B Ignition Coil 2 (L96)



Connector Part Information

Harness Type: Ignition Coil (Even) Jumper

OEM Connector: 15439568

Service Connector: 88987184

Description: 4-Way F 150 GT Series, Sealed (BK)

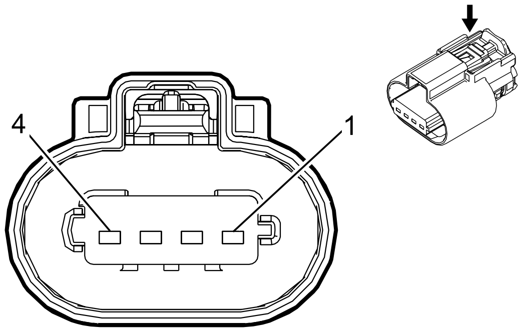
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

T8B Ignition Coil 2 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	151	Signal Ground	I	-
B	0.5	BN	2129	Ignition Control Low Reference Bank 1	II	-
C	0.5	RD	2127	Ignition Control (7)	II	-
D	0.8	PK	39	Run/Crank Ignition 1 Voltage	I	-

T8C Ignition Coil 3 (1500)



Connector Part Information

Harness Type: Engine

OEM Connector: 13863211

Service Connector: 19301722

Description: 4-Way F 150 MX Series, Sealed (BK)

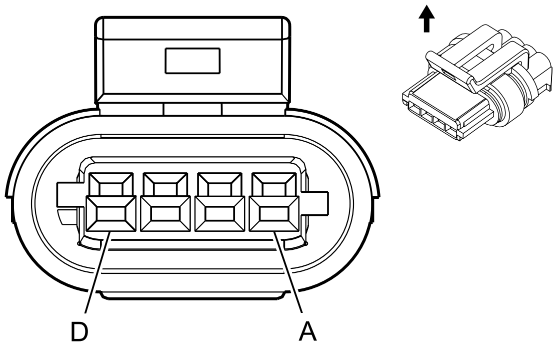
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available

T8C Ignition Coil 3 (1500)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	-
2	0.5	BK/D-BU	2129	Ignition Control Low Reference Bank 1	I	-
3	0.5	L-GN/D-BU	2123	Ignition Control (3)	I	-
4	0.75	VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-

T8C Ignition Coil 3 (L96)



Connector Part Information

Harness Type: Ignition Coil (Odd) Jumper

OEM Connector: 15439568

Service Connector: 88987184

Description: 4-Way F 150 GT Series, Sealed (BK)

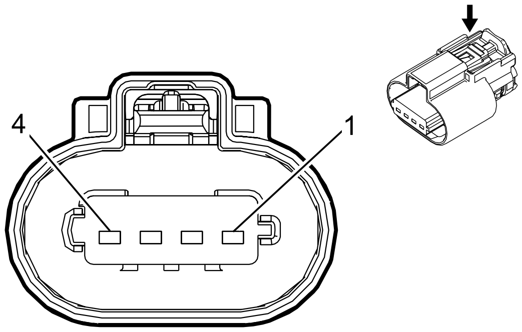
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

T8C Ignition Coil 3 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	151	Signal Ground	I	-
B	0.5	BN	2129	Ignition Control Low Reference Bank 1	II	-
C	0.5	L-BU	2123	Ignition Control (3)	II	-
D	0.8	PK	39	Run/Crank Ignition 1 Voltage	I	-

T8D Ignition Coil 4 (1500)



Connector Part Information

Harness Type: Engine

OEM Connector: 13863211

Service Connector: 19301722

Description: 4-Way F 150 MX Series, Sealed (BK)

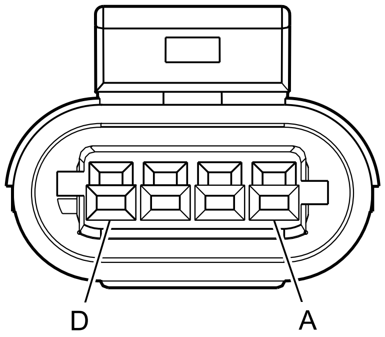
Terminal Part Information

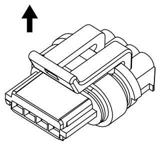
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available

T8D Ignition Coil 4 (1500)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	-
2	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	-
3	0.5	YE/D-BU	2124	Ignition Control (4)	I	-
4	0.75	VT/D-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-

T8D Ignition Coil 4 (L96)





Connector Part Information

Harness Type: Ignition Coil (Even) Jumper

OEM Connector: 15439568

Service Connector: 88987184

Description: 4-Way F 150 GT Series, Sealed (BK)

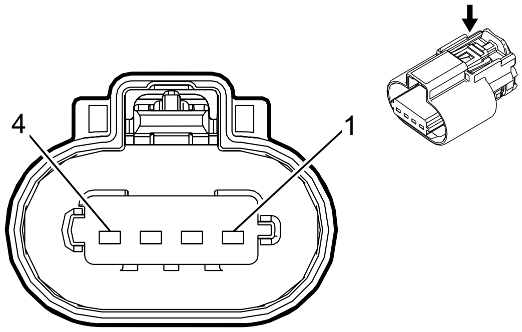
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

T8D Ignition Coil 4 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	151	Signal Ground	I	-
B	0.5	BN	2129	Ignition Control Low Reference Bank 1	II	-
C	0.5	D-GN	2125	Ignition Control (5)	II	-
D	0.8	PK	39	Run/Crank Ignition 1 Voltage	I	-

T8E Ignition Coil 5 (1500)



Connector Part Information

Harness Type: Engine

OEM Connector: 13863211

Service Connector: 19301722

Description: 4-Way F 150 MX Series, Sealed (BK)

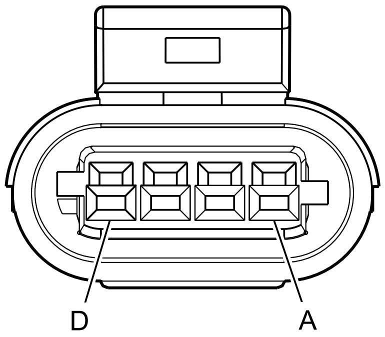
Terminal Part Information

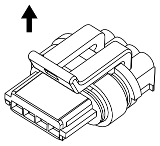
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available

T8E Ignition Coil 5 (1500)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	-
2	0.5	BK/D-BU	2129	Ignition Control Low Reference Bank 1	I	-
3	0.5	D-BU/GY	2125	Ignition Control (5)	I	-
4	0.75	VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-

T8E Ignition Coil 5 (L96)





Connector Part Information

Harness Type: Ignition Coil (Odd) Jumper

OEM Connector: 15439568

Service Connector: 88987184

Description: 4-Way F 150 GT Series, Sealed (BK)

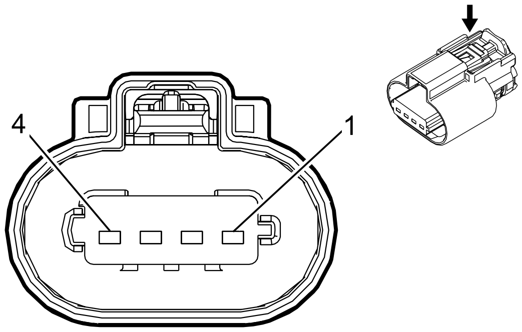
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

T8E Ignition Coil 5 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	151	Signal Ground	I	-
B	0.5	BN	2129	Ignition Control Low Reference Bank 1	II	-
C	0.5	D-GN	2125	Ignition Control (5)	II	-
D	0.8	PK	39	Run/Crank Ignition 1 Voltage	I	-

T8F Ignition Coil 6 (1500)



Connector Part Information

Harness Type: Engine

OEM Connector: 13863211

Service Connector: 19301722

Description: 4-Way F 150 MX Series, Sealed (BK)

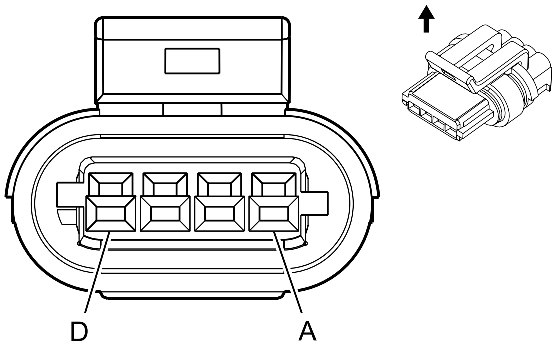
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available

T8F Ignition Coil 6 (1500)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	-
2	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	-
3	0.5	BN/D-BU	2126	Ignition Control (6)	I	-
4	0.75	VT/D-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-

T8F Ignition Coil 6 (L96)



Connector Part Information

Harness Type: Ignition Coil (Even) Jumper

OEM Connector: 15439568

Service Connector: 88987184

Description: 4-Way F 150 GT Series, Sealed (BK)

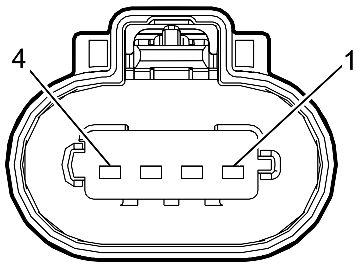
Terminal Part Information

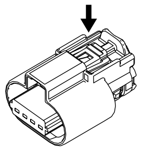
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

T8F Ignition Coil 6 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	151	Signal Ground	I	-
B	0.5	BN	2129	Ignition Control Low Reference Bank 1	II	-
C	0.5	L-BU	2123	Ignition Control (3)	II	-
D	0.8	PK	39	Run/Crank Ignition 1 Voltage	I	-

T8G Ignition Coil 7 (L83/L86)





Connector Part Information

Harness Type: Engine

OEM Connector: 13863211

Service Connector: 19301722

Description: 4-Way F 150 MX Series, Sealed (BK)

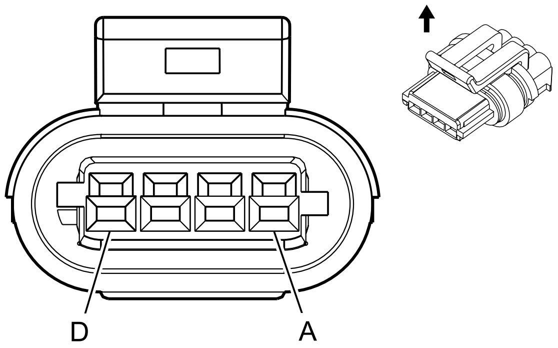
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available

T8G Ignition Coil 7 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	-
2	0.5	BK/D-BU	2129	Ignition Control Low Reference Bank 1	I	-
3	0.5	L-GN/GY	2127	Ignition Control (7)	I	-
4	0.75	VT/D-BU	5291	Powertrain Main Relay Fused Supply (2)	I	-

T8G Ignition Coil 7 (L96)



Connector Part Information

Harness Type: Ignition Coil (Odd) Jumper

OEM Connector: 15439568

Service Connector: 88987184

Description: 4-Way F 150 GT Series, Sealed (BK)

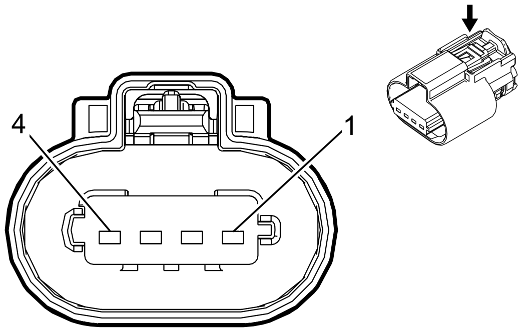
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

T8G Ignition Coil 7 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	151	Signal Ground	I	-
B	0.5	BN	2129	Ignition Control Low Reference Bank 1	II	-
C	0.5	RD	2127	Ignition Control (7)	II	-
D	0.8	PK	39	Run/Crank Ignition 1 Voltage	I	-

T8H Ignition Coil 8 (L83/L86)



Connector Part Information

Harness Type: Engine

OEM Connector: 13863211

Service Connector: 19301722

Description: 4-Way F 150 MX Series, Sealed (BK)

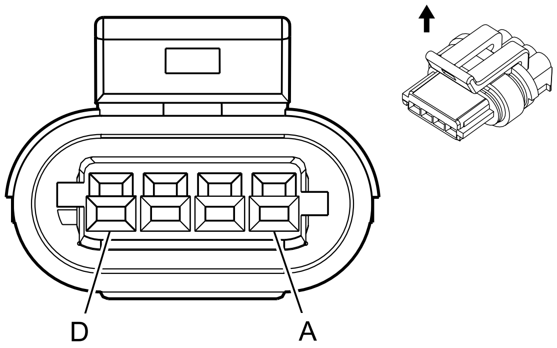
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available

T8H Ignition Coil 8 (L83/L86)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	350	Ground	I	-
2	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	-
3	0.5	VT/WH	2128	Ignition Control (8)	I	-
4	0.75	VT/D-BU	5292	Powertrain Main Relay Fused Supply (3)	I	-

T8H Ignition Coil 8 (L96)



Connector Part Information

Harness Type: Ignition Coil (Even) Jumper

OEM Connector: 15439568

Service Connector: 88987184

Description: 4-Way F 150 GT Series, Sealed (BK)

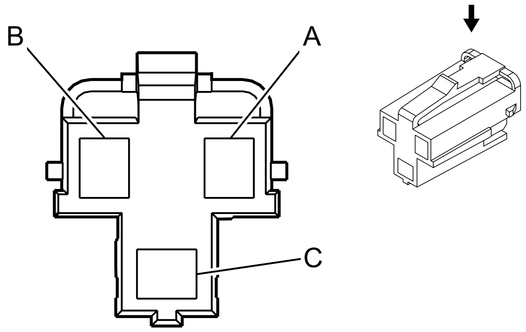
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	13576360	J-35616-2A (GY)	J-38125-553	15326267	19	E	4

T8H Ignition Coil 8 (L96)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.8	BK	151	Signal Ground	I	-
B	0.5	BN	2129	Ignition Control Low Reference Bank 1	II	-
C	0.5	PU	2121	Ignition Control (1)	II	-
D	0.8	PK	39	Run/Crank Ignition 1 Voltage	I	-

X80A Accessory Power Receptacle - Center Console 1



Connector Part Information

Harness Type: Floor Console

OEM Connector: 12176836

Service Connector: 19257374

Description: 3-Way F 280 Metri Pack Series (GY)

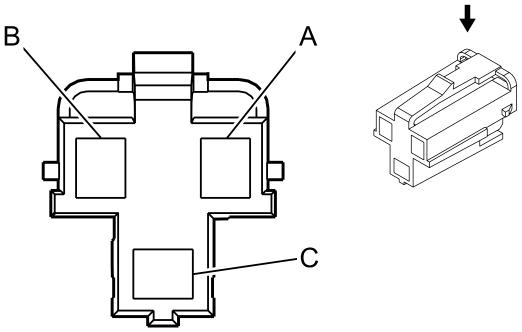
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-4A (PU)	J-38125-553	12110842	4	C	A

X80A Accessory Power Receptacle - Center Console 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/YE	143	Accessory Voltage	I	-
B	-	-	-	Not Occupied	-	-
C	1.5	BK	1050	Ground	I	-

X80B Accessory Power Receptacle - Center Console 2



Connector Part Information

Harness Type: Floor Console

OEM Connector: 12176836

Service Connector: 19257374

Description: 3-Way F 280 Metri Pack Series (GY)

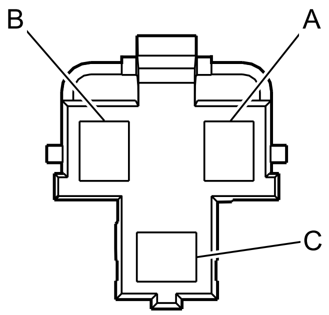
Terminal Part Information

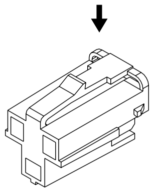
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-4A (PU)	J-38125-553	12110842	4	C	A

X80B Accessory Power Receptacle - Center Console 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT/YE	243	Accessory Voltage	I	-
B	-	-	-	Not Occupied	-	-
C	1.5	BK	1050	Ground	I	-

X80D Accessory Power Receptacle - Center Console Compartment





Connector Part Information

Harness Type: Center Seat

OEM Connector: 12176836

Service Connector: 19257374

Description: 3-Way F 280 Metri Pack Series (GY)

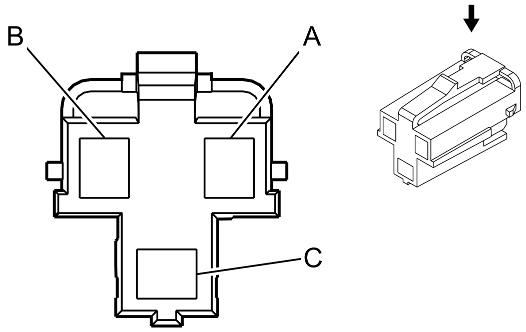
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-4A (PU)	J-38125-553	12110844	4	Not Available	Not Available

X80D Accessory Power Receptacle - Center Console Compartment

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	RD/L-BU	840	Battery Positive Voltage	I	-
B	-	-	-	Not Occupied	-	-
C	1.5	BK	1250	Ground	I	-

X80E Accessory Power Receptacle - Center Seat



Connector Part Information

Harness Type: Center Seat

OEM Connector: 12176836

Service Connector: 19257374

Description: 3-Way F 280 Metri Pack Series (GY)

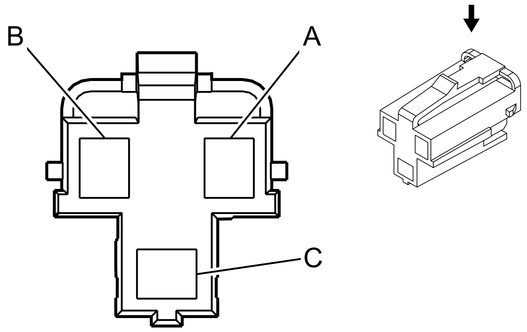
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-4A (PU)	J-38125-553	12110844	4	Not Available	Not Available

X80E Accessory Power Receptacle - Center Seat

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	RD/L-BU	840	Battery Positive Voltage	I	-
B	-	-	-	Not Occupied	-	-
C	1.5	BK	1250	Ground	I	-

X80J Accessory Power Receptacle - Instrument Panel 1



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 12176836

Service Connector: 19257374

Description: 3-Way F 280 Metri Pack Series (GY)

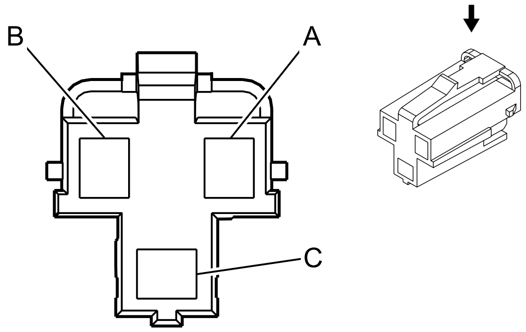
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-4A (PU)	J-38125-12A	12191475	1	4	G

X80J Accessory Power Receptacle - Instrument Panel 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	RD/WH	1040	Battery Positive Voltage	I	-
B	-	-	-	Not Occupied	-	-
C	1.5	BK	1050	Ground	I	-

X80K Accessory Power Receptacle - Instrument Panel 2



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 12176836

Service Connector: 19257374

Description: 3-Way F 280 Metri Pack Series (GY)

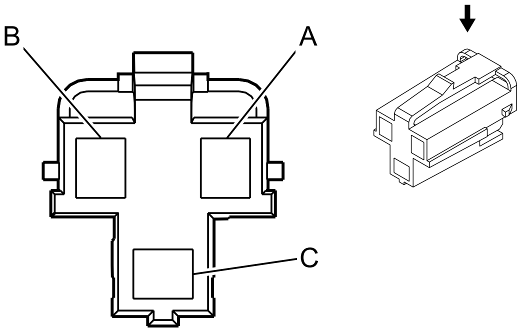
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-4A (PU)	J-38125-12A	12191475	1	4	G

X80K Accessory Power Receptacle - Instrument Panel 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	RD/BN	4240	Battery Positive Voltage	I	-
B	-	-	-	Not Occupied	-	-
C	1.5	BK	1050	Ground	I	-

X80S Accessory Power Receptacle - Instrument Panel 3



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 12176836

Service Connector: 19257374

Description: 3-Way F 280 Metri Pack Series (GY)

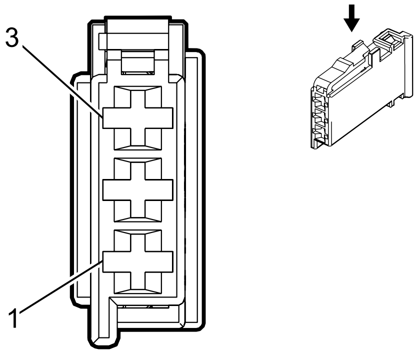
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-4A (PU)	J-38125-12A	12191475	1	4	G

X80S Accessory Power Receptacle - Instrument Panel 3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	RD/BN	4240	Battery Positive Voltage	I	-
B	-	-	-	Not Occupied	-	-
C	1.5	BK	1050	Ground	I	-

X81B Accessory Power Receptacle - 220V AC X1



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 10865339

Service Connector: 93186706

Description: 3-Way F 1.6 Micro Timer Series, Sealed (BK)

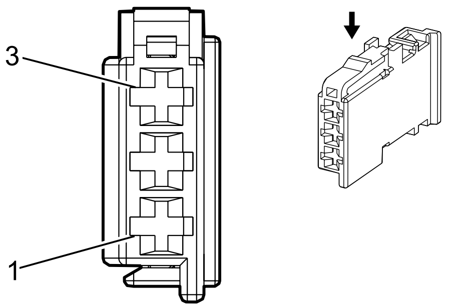
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A
II	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	Not Available	Not Available

X81B Accessory Power Receptacle - 220V AC X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BN	300	Run Ignition 3 Voltage	I	-
2	-	-	-	Not Occupied	-	-
3	1.5	BK	5683	120 VAC Phase A	II	-

X81B Accessory Power Receptacle - 220V AC X2



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13648774

Service Connector: 13583924

Description: 3-Way F 1.6 Timer Series, Sealed (GY)

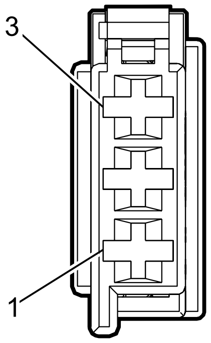
Terminal Part Information

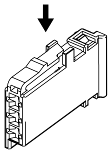
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	Not Available	Not Available

X81B Accessory Power Receptacle - 220V AC X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	D-BU/BN	6807	DC To AC Inverter Control	I	-
2	-	-	-	Not Occupied	-	-
3	1.5	RD	5684	120 VAC Phase B	I	-

X81 Accessory Power Receptacle - 110V AC X1





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 10865339

Service Connector: 93186706

Description: 3-Way F 1.6 Micro Timer Series (BK)

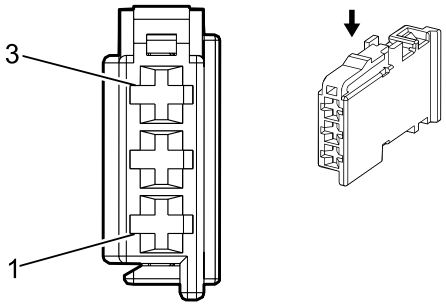
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A
II	Not Available	J-35616-14 (GN)	J-38125-560	962943-5	16	Not Available	Not Available

X81 Accessory Power Receptacle - 110V AC X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BN	300	Run Ignition 3 Voltage	I	-
2	-	-	-	Not Occupied	-	-
3	1.5	BK	5683	120 VAC Phase A	II	-

X81 Accessory Power Receptacle - 110V AC X2



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13648774

Service Connector: 13583924

Description: 3-Way F 1.6 Timer Series, Sealed (GY)

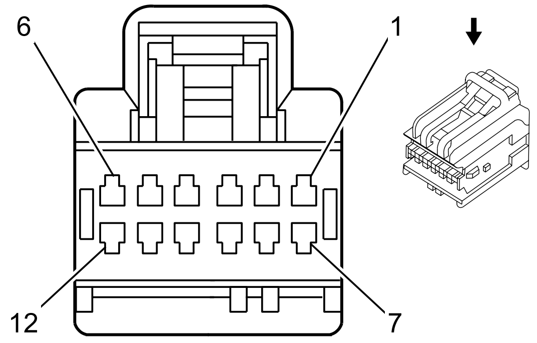
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-560	962943-5	16	Not Available	Not Available

X81 Accessory Power Receptacle - 110V AC X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	D-BU/BN	6807	DC To AC Inverter Control	I	-
2	-	-	-	Not Occupied	-	-
3	1.5	RD	5684	120 VAC Phase B	I	-

X82 Audio/Video Input Adapter



Connector Part Information

Harness Type: Floor Console

OEM Connector: 13551678

Service Connector: 89047364

Description: 12-Way F 0.64 Series (BK)

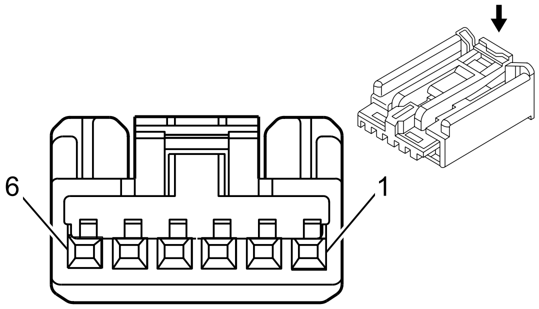
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

X82 Audio/Video Input Adapter

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	2550	Ground	I	-
2	-	-	-	Not Occupied	-	-
3	0.35	L-GN/WH	3355	Left Rear Seat Audio Headphone Signal	I	-
4	0.35	WH	2058	Right Auxiliary Audio Signal (1)	I	-
5	0.35	YE	2059	Left Auxiliary Audio Signal (1)	I	-
6	0.35	YE	2056	Auxiliary Video High Signal	I	-
7	0.75	RD/VT	340	Battery Positive Voltage	II	-
8	-	-	-	Not Occupied	-	-
9	0.35	BN/GY	3357	Right Rear Seat Audio Headphone Signal	I	-
10	0.35	D-BU/VT	3356	Rear Seat Audio Headphone Common Signal	I	-
11	0.35	BN	3374	Auxiliary Audio Common Signal (2)	I	-
12	0.5	BARE	2057	Auxiliary Video Low Signal	I	-

X83 Auxiliary Audio Input



Connector Part Information

Harness Type: Floor Console

OEM Connector: 13595476

Service Connector: 19167753

Description: 6-Way F 0.64 Kaizen Series (BK)

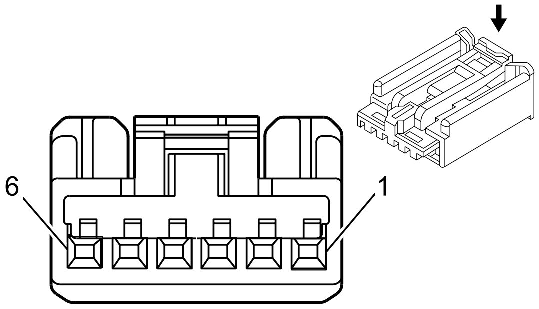
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

X83 Auxiliary Audio Input

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	5839	Left Auxiliary Audio Signal (2)	I	-
2	0.35	L-GN	5841	Right Auxiliary Audio Signal (2)	I	-
3	0.35	VT	5843	Auxiliary Audio Common Signal	I	-
4	0.35	BK	2550	Ground	I	-
5	0.35	D-BU	2060	Auxiliary Detection Signal	I	-
6	0.75	RD/VT	340	Battery Positive Voltage	II	-

X83 Auxiliary Audio Input X1 (D09)



Connector Part Information

Harness Type: Center Seat

OEM Connector: AIT2PB-06-1AK

Service Connector: 19167753

Description: 6-Way F 0.64 Kaizen Series (BK)

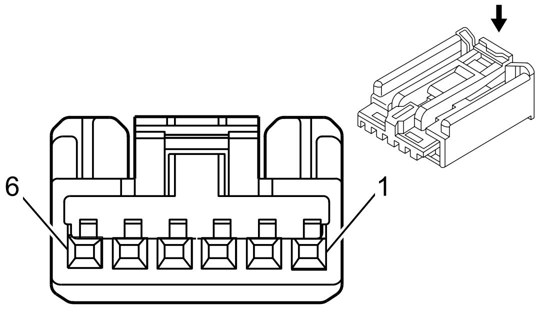
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X83 Auxiliary Audio Input X1 (D09)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	5839	Left Auxiliary Audio Signal (2)	I	-
2	0.35	L-GN	5841	Right Auxiliary Audio Signal (2)	I	-
3	0.35	VT	5843	Auxiliary Audio Common Signal	I	-
4	0.35	BK	2550	Ground	I	-
5	0.35	L-BU	2060	Auxiliary Detection Signal	I	-
6	0.75	RD/VT	340	Battery Positive Voltage	I	-

X83 Auxiliary Audio Input X2 (D09)



Connector Part Information

Harness Type: Center Seat

OEM Connector: 15269798

Service Connector: 19167753

Description: 6-Way F 0.64 Kaizen Series (BK)

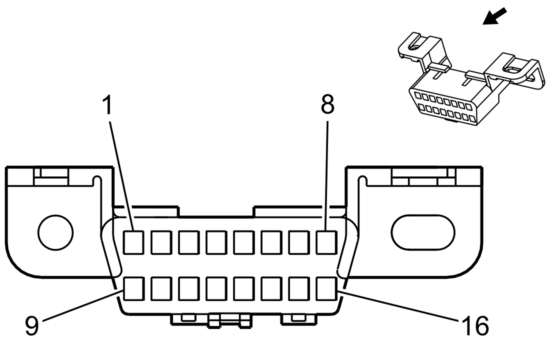
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X83 Auxiliary Audio Input X2 (D09)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK			I	-
2-6	-	-	-	Not Occupied	-	-

X84 Data Link Connector



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 12110250

Service Connector: 12110250

Description: 16-Way F 150 Metri Pack Series (BK)

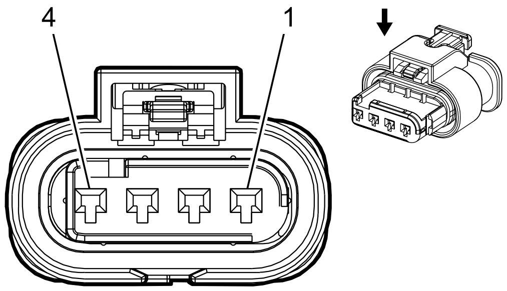
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327107	J-35616-14 (GN)	J-38125-12A	12129484	19	E	C
II	Pending	J-35616-14 (GN)	J-38125-12A	12129484	19	E	A

X84 Data Link Connector

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
2-3	-	-	-	Not Occupied	-	-
4	0.5	BK	1050	Ground	I	-
5	0.75	BK/WH	1851	Signal Ground	II	-
6	0.5	D-BU	2500	High Speed GMLAN Serial Data (+) (1)	I	-
7-11	-	-	-	Not Occupied	-	-
12	0.5	D-BU/YE	6105	High Speed GMLAN Serial Data (+) (2)	I	-
13	0.5	WH	6106	High Speed GMLAN Serial Data (-) (2)	I	-
14	0.5	WH	2501	High Speed GMLAN Serial Data (-) (1)	I	-
15	-	-	-	Not Occupied	-	-
16	0.5	RD/WH	640	Battery Positive Voltage	I	-

X85 Steering Wheel Air Bag Coil



Connector Part Information

Harness Type: Body

OEM Connector: 13854531

Service Connector: 13586137

Description: 4-Way F 1.2 Series, Sealed (YE)

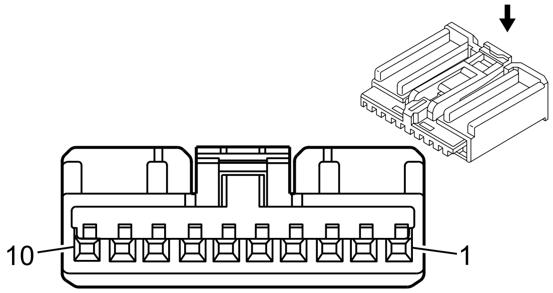
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-16 (L-GN)	J-38125-22	Not Available	Not Available	Not Available	Not Available

X85 Steering Wheel Air Bag Coil

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/VT	3021	Steering Wheel Module Stage 1 High Control	I	-
2	0.35	BN/OG	3020	Steering Wheel Module Stage 1 Low Control	I	-
3	0.35	OG/L-GN	3023	Steering Wheel Module Stage 2 High Control	I	-
4	0.35	WH/OG	3022	Steering Wheel Module Stage 2 Low Control	I	-

X85 Steering Wheel Air Bag Coil X1



Connector Part Information

Harness Type:

OEM Connector: AIT2PB-10-1AK

Service Connector: 13576634

Description: 10 F 0.64 Kaizen Series (BK)

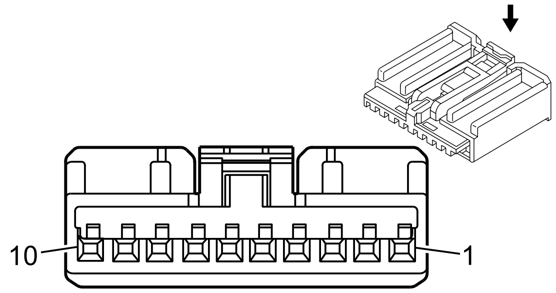
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X85 Steering Wheel Air Bag Coil X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/YE	3040	Battery Positive Voltage	I	-
2	0.5	GN	3894	Local Interconnect Network Bus 12	I	-
3	-	-	-	Not Occupied	-	-
4	0.5	GY/OG	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	-
5	0.5	YE	6136	Supply Voltage	I	-
6	0.5	WH	1444	12 Volt Reference	I	-
7	-	-	-	Not Occupied	-	-
8	0.5	BN/YE	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	-
9	0.5	BK	1050	Ground	I	-
10	0.5	GN/WH	3287	Horn Switch Signal	I	-

X85 Steering Wheel Air Bag Coil X2



Connector Part Information

Harness Type:

OEM Connector: AIT2PB-10-1AK

Service Connector: 13576634

Description: 10 F 0.64 Kaizen Series (BK)

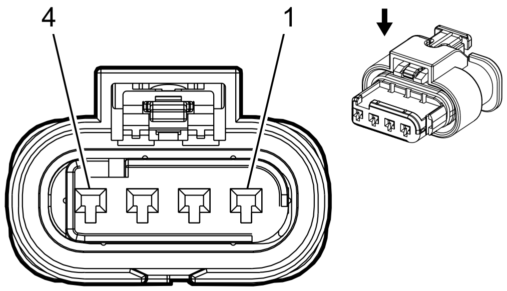
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P

X85 Steering Wheel Air Bag Coil X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD	3040	Battery Positive Voltage	I	-
2	0.5	GN	3894	Local Interconnect Network Bus 12	I	-
3	0.5	BN/YE	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	-
4	0.5	GY/OG	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	-
5	0.5	YE	6136	Supply Voltage	I	-
6	0.5	WH	1444	12 Volt Reference	I	-
7	0.5	GY/OG	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	-
8	0.5	BN/YE	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	-
9	0.5	BK	1050	Ground	I	-
10	0.5	GN/WH	3287	Horn Switch Signal	I	-

X85 Steering Wheel Air Bag Coil X3



Connector Part Information

Harness Type: Body

OEM Connector: 13854531

Service Connector: 13586137

Description: 4-Way F 1.2 Series, Sealed (YE)

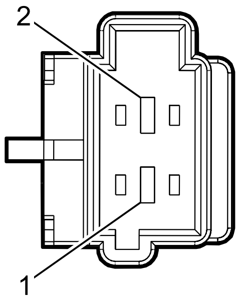
Terminal Part Information

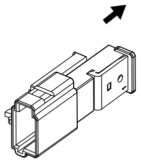
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-16 (L-GN)	J-38125-22	Not Available	Not Available	Not Available	Not Available

X85 Steering Wheel Air Bag Coil X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/VT	3021	Steering Wheel Module Stage 1 High Control	I	-
2	0.35	BN/OG	3020	Steering Wheel Module Stage 1 Low Control	I	-
3	0.35	OG/L-GN	3023	Steering Wheel Module Stage 2 High Control	I	-
4	0.35	WH/OG	3022	Steering Wheel Module Stage 2 Low Control	I	-

X85 Steering Wheel Air Bag Coil X4





Connector Part Information

Harness Type:

OEM Connector: 1563190-1

Service Connector: 13574780

Description: 2 M 1.6 Timer Series (BK)

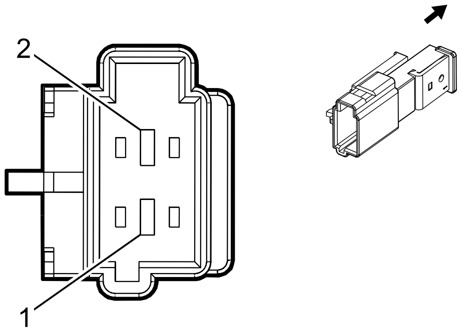
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X85 Steering Wheel Air Bag Coil X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	-
2	0.5	BK	1050	Ground	I	-

X85 Steering Wheel Air Bag Coil X5



Connector Part Information

Harness Type:

OEM Connector: 1563190-1

Service Connector: 13574780

Description: 2 M 1.6 Timer Series (BK)

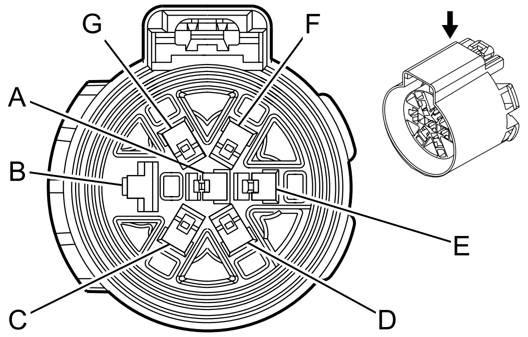
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X85 Steering Wheel Air Bag Coil X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	-
2	0.5	BK	1050	Ground	I	-

X88 Trailer Connector



Connector Part Information

Harness Type: Backup Alarm

OEM Connector: 13857223

Service Connector: 13583927

Description: 7-Way F 280 Metri Pack, 630 Series, Sealed (BK)

Harness Type: Camper Accessory Jumper

OEM Connector: 13857223

Service Connector: 13583927

Description: 7-Way F 280 Metri Pack, 630 Series, Sealed (BK)

Harness Type: Chassis

OEM Connector: 13857223

Service Connector: 13583927

Description: 7-Way F 280 Metri Pack, 630 Series, Sealed (BK)

Terminal Part Information

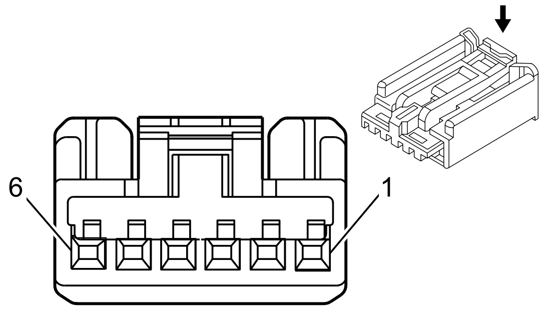
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-4A (PU)	J-38125-553	12110847	4	C	5
II	Pending	J-35616-42 (RD)	J-38125-11A	15305232	23	B	3
III	Pending	J-35616-4A (PU)	J-38125-553	12110845	4	F	5
IV	Pending	J-35616-42 (RD)	J-38125-11A	15305232	23	Not Available	Not Available
V	Pending	J-35616-4A (PU)	J-38125-553	12110853	4	F	5
VI	Pending	J-35616-4A (PU)	J-38125-553	12110845	4	Not Available	Not Available

X88 Trailer Connector

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1 0.75	L-GN WH/L-GN	1624 1624	Trailer Backup Lamp Supply Voltage Trailer Backup Lamp Supply Voltage	I	-
B	5 6	WH WH	22 22	Trailer Ground Trailer Ground	II	-
C	3 2.5	D-BU D-BU	47 47	Trailer Auxiliary Supply Voltage Trailer Auxiliary Supply Voltage	V	-
D	0.8	D-GN	1619	Right Rear Trailer Stop/Turn Lamp Supply Voltage	I	-

D	0.8 0.75	D-GN L-GN/VT	1619 1619	Right Rear Trailer Stop/Turn Lamp Supply Voltage Right Rear Trailer Stop/Turn Lamp Supply Voltage	I	-
E	3 4	RD/BK RD/L-GN	742 742	Battery Positive Voltage Battery Positive Voltage	V	-
F	1 1.5	BN GY/BN	2109 2109	Trailer Park Lamp Supply Voltage Trailer Park Lamp Supply Voltage	I	-
G	0.8 0.75	YE YE/GY	1618 1618	Left Rear Trailer Stop/Turn Lamp Supply Voltage Left Rear Trailer Stop/Turn Lamp Supply Voltage	I	-

X92 USB Receptacle



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13595476

Service Connector: 19167753

Description: 6-Way F 0.64 Kaizen Series (BK)

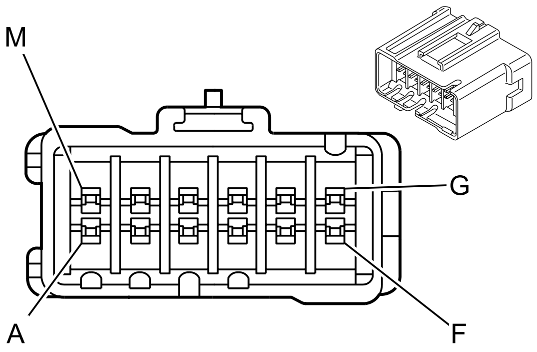
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327120	J-35616-64B (L-BU)	J-38125-215A	SAIT-A03T-M064	14	P	P
II	Not Available	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

X92 USB Receptacle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	0.35	BK	2550	Ground	I	-
5	-	-	-	Not Occupied	-	-
6	0.75	RD/VT	340	Battery Positive Voltage	II	-

JX200 Splice Pack - Instrument Panel



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 15305291

Service Connector: 15305291

Description: 12-Way F 280 Metri Pack Series (BK)

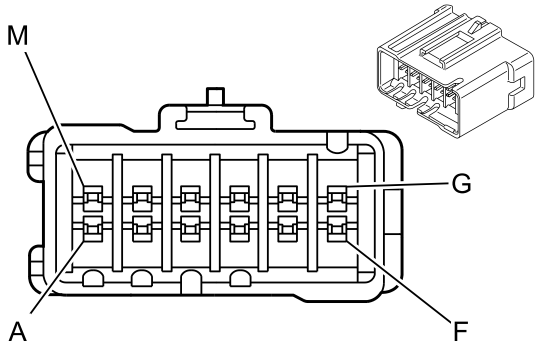
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13581349	J-35616-4A (PU)	J-38125-553	12110844	4	E	A
II	13581349	J-35616-4A (PU)	J-38125-553	12110844	4	E	4

JX200 Splice Pack - Instrument Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
B-C	-	-	-	Not Occupied	-	-
D	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
E	0.35	L-GN	5060	Low Speed GMLAN Serial Data	II	-
F	-	-	-	Not Occupied	-	-
G	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
H	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
J	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
K	0.35	L-GN	5060	Low Speed GMLAN Serial Data	II	-
L	-	-	-	Not Occupied	-	-
M	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-

JX300 Splice Pack - Body



Connector Part Information

Harness Type: Body

OEM Connector: 15305291

Service Connector: 15305291

Description: 12-Way F 280 Metri Pack Series (BK)

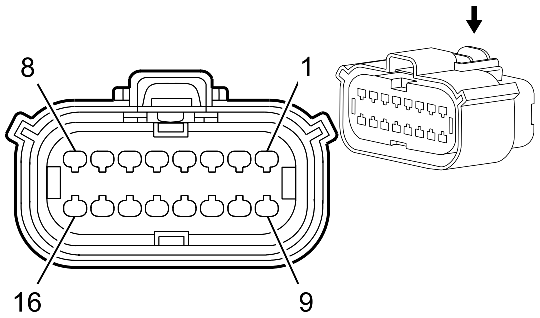
Terminal Part Information

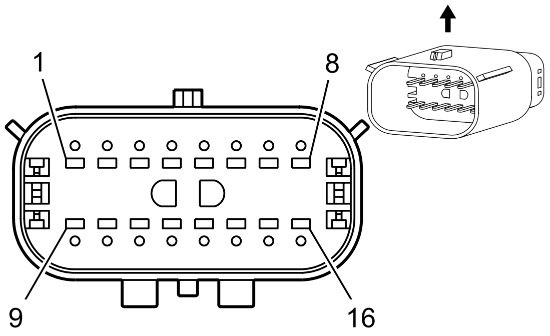
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13581349	J-35616-4A (PU)	J-38125-553	12110844	4	E	A
II	13581349	J-35616-4A (PU)	J-38125-553	12110844	4	E	4
III	Pending	J-35616-4A (PU)	J-38125-553	12110844	4	C	A

JX300 Splice Pack - Body

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
B-C	-	-	-	Not Occupied	-	-
D	0.35	L-GN	5060	Low Speed GMLAN Serial Data	II	-
E	-	-	-	Not Occupied	-	-
F	0.35	L-GN	5060	Low Speed GMLAN Serial Data	II	-
G	0.75	L-GN	5060	Low Speed GMLAN Serial Data	III	-
H	-	-	-	Not Occupied	-	-
J	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
K	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
L	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-
M	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	-

X100 Front Bumper Harness to Forward Lamp Harness





Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13778557

Service Connector: 13584788

Description: 16-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Front Bumper

OEM Connector: 13551665

Service Connector: 19300393

Description: 16-Way M 150 MX Series, Sealed (BK)

Terminal Part Information

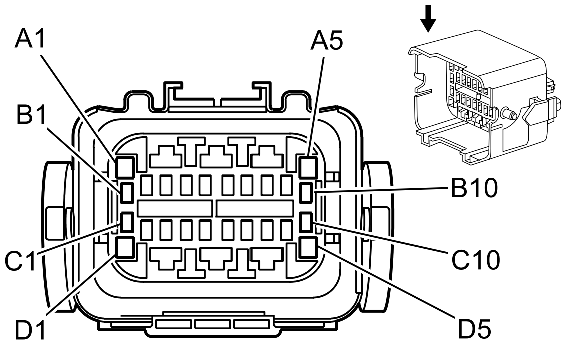
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	A/E	A/C
II	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2
III	Pending	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

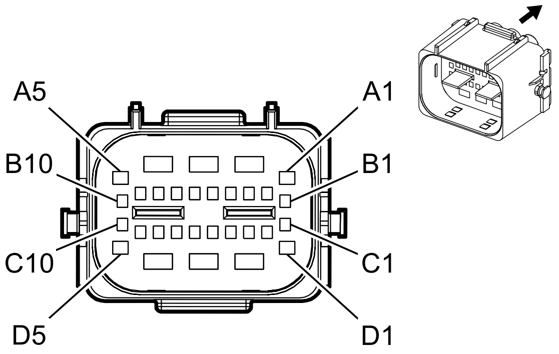
X100 Front Bumper Harness to Forward Lamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1	BK	150	I	-	Ground	1	0.5	BK	150	III	-
2	1	BK	250	I	-	Ground	2	0.5	BK	250	III	-
3	0.5	BN/VT	2234	II	-	Front Fog Lamp Supply Voltage	3	0.5	BN/VT	2234	III	-
4	0.5	YE/VT	5213	II	-	Front Parking Left/Right/Mid Sensor	4	0.5	YE/L-GN	5213	III	-
5	0.5	VT/WH	5215	II	-	Front Parking Left Corner Sensor	5	0.5	VT/WH	5215	III	-
6	0.5	YE/GY	5216	II	-	Front Parking Left Mid Sensor	6	0.5	YE/GY	5216	III	-
7	0.5	WH/GY	5217	II	-	Front Parking Right Corner Sensor	7	0.5	WH/GY	5217	III	-
8-9	-	-	-	-	-	Not Occupied	8-9	-	-	-	-	-
10	0.5	VT/GY	5218	II	-	Front Parking Right Mid Sensor	10	0.5	VT/GY	5218	III	-
11	0.5	BK/D-BU	5214	II	-	Front Parking Sensor Low Reference	11	0.5	BK/D-BU	5214	III	-

						Low Reference						
12-16	-	-	-	-	-	Not Occupied	12-16	-	-	-	-	-

X101 Engine Harness to Engine Harness





Connector Part Information

Harness Type: Engine

OEM Connector: 15355480

Service Connector: 19181242

Description: 30-Way F 150 GT Series, Sealed (BK)

Connector Part Information

Harness Type: Engine

OEM Connector: 15450510

Service Connector: 89046785

Description: 30-Way M 150 280 630 Metri Pack Series, Sealed (BK)

Terminal Part Information

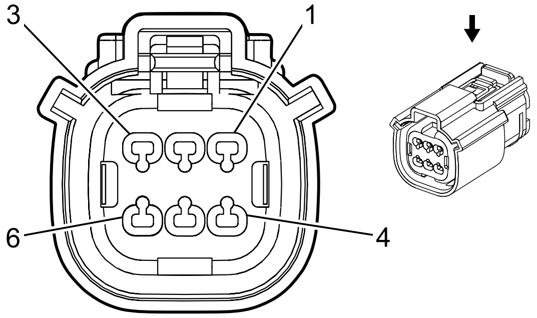
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575392	J-35616-4A (PU)	J-38125-553	15304720	19	4	5
II	Pending	J-35616-42 (RD)	J-38125-11A	15305232	23	B/4	3
III	13578879	J-35616-2A (GY)	J-38125-553	12191819	8	C	1
IV	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1
V	13575412	J-35616-2A (GY)	J-38125-553	12191819	8	2	1
VI	13576358	J-35616-5 (PU)	J-38125-553	15304732	8	Not Available	Not Available
VII	Pending	J-35616-43 (RD)	J-38125-11A	12064734	8	Not Available	Not Available
VIII	Pending	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

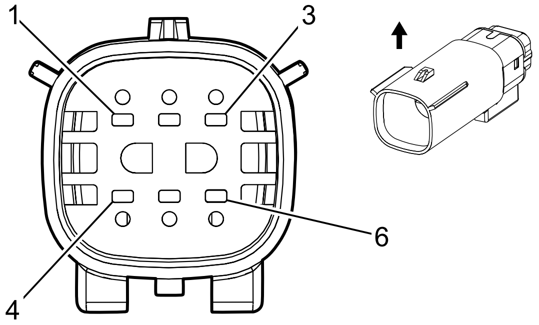
X101 Engine Harness to Engine Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A1	1.5	WH/BN	3677	I	-	DEF Resevoir Heater Control	A1	2	OG/WH	3677	VI	LML
A3	0.75	YE/D-BU	3680	II	-	Charge Air Cooler Outlet Temperature Sensor Return	A3	0		3680	VII	LML
A4	0.75	BN	3681	II	-	Charge Air Cooler Outlet Temperature Sensor Signal	A4	0	BR	3681	VII	LML
A5	1.5	GY/WH	3675	I	-	DEF Pump Heater Control	A5	2	VT/WH	3199	VI	LML
B1	1.5	VT/D-BU	3674	III	-	NOx Sensor (1) Supply Voltage	B1	0	VT	3674	VIII	LML

						Voltage						
B2	0.5	D-BU	2500	IV	-	High Speed GMLAN Serial Data (+) (1)	B2	0	BK	2500	VIII	LML
B3	0.5	VT/YE	5985	IV	-	Accessory Wakeup Serial Data	B3	0	BU	5985	VIII	LML
B4	0.5	VT/BK	2139	IV	-	Run/Crank Ignition 1 Voltage	B4	0	PK	2139	VIII	LML
B5	0.5	L-GN/GY	465	IV	-	Fuel Pump Primary Relay Control	B5	0	L-GN	497	VIII	LML
B6	0.5	WH/L-GN	6142	IV	-	Power Take Off Engine Shutdown Signal	B6	0	GN/WH	6142	VIII	LML
B8	0.5	BK/BN	5360	IV	-	Brake Apply Sensor Low Reference	B8	0	BR/WH	5360	VIII	LML
B9	0.5	D-BU	2500	IV	-	High Speed GMLAN Serial Data (+) (1)	B9	0	BK	2500	VIII	LML
B10	1.5	GY	3672	III	-	Nox Sensor (2) Supply Voltage	B10	0	GY	3672	VIII	LML
C1	1.5	BK/D-BU	3673	III	-	Nox Sensor (1) Ground	C1	0		3673	VIII	LML
C2	0.5	WH	2501	IV	-	High Speed GMLAN Serial Data (-) (1)	C2	0		2501	VIII	LML
C3	0.5	BN/D-BU	2926	IV	-	Hydrocarbon Injector High Control	C3	0	BU	2926	VIII	LML
C4	0.5	VT/BN	2927	IV	-	Hydrocarbon Injector Low Control	C4	0	VT	2927	VIII	LML
C6	0.5	D-BU/WH	1937	IV	-	Secondary Fuel Level Sensor Signal	C6	0	L-BU	1937	VIII	LML
C7	0.5	WH	5359	IV	-	Brake Apply Sensor Supply Voltage	C7	0	WH	5359	VIII	LML
C8	0.5	D-BU/YE	5361	IV	-	Brake Apply Sensor Signal	C8	0	YE	5361	VIII	LML
C9	0.5	WH	2501	IV	-	High Speed GMLAN Serial Data (-) (1)	C9	0		2501	VIII	LML
C10	1.5	BK/GY	3671	III	-	Nox Sensor (2) Ground	C10	0	BK	3671	VIII	LML
D1	1.5	VT/WH	3676	I	-	DEF Heating Tank (2) Heater Control	D1	2	GY/WH	3675	VI	LML
D2	0.75	GY/D-BU	7564	II	-	Humidity Sensor Signal	D2	0	L-BU	7564	VII	LML
E-	-	-	-	-	-	Not Occupied	E-	-	-	-	-	-

X105 Engine Harness to Forward Lamp Harness





Connector Part Information

Harness Type: Engine

OEM Connector: 13609714

Service Connector: 13585853

Description: 6-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 15457002

Service Connector: Not Available

Description: 6-Way M 150 MX Series, Sealed (BK)

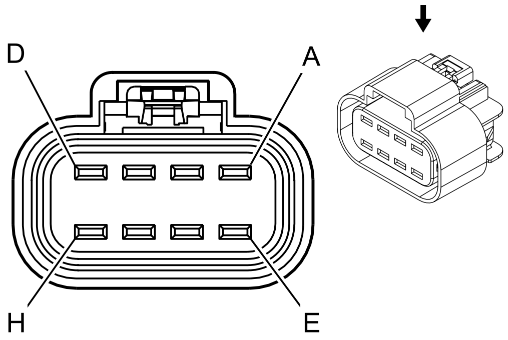
Terminal Part Information

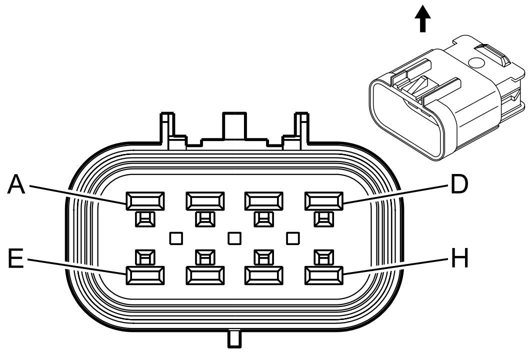
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2
II	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available

X105 Engine Harness to Forward Lamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	BN/YE	473	I	-	High Speed Cooling Fan Relay Control	1	0.5	BN/YE	473	II	-
2	0.5	BK/D-BU	61	I	-	Outside Ambient Temperature Sensor Low Reference	2	0.5	BK/D-BU	61	II	-
3	0.5	D-BU/GY	636	I	-	Outside Ambient Air Temperature Sensor Signal	3	0.5	D-BU/GY	636	II	-
4-6	-	-	-	-	-	Not Occupied	4-6	-	-	-	-	-

X110 Forward Lamp Harness to Left Headlamp





Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 15326654

Service Connector: SEE NOTE

Description: 8-Way F 280 GT 5.8 Series, Sealed (BK)

Connector Part Information

Harness Type:

OEM Connector: EEM0286

Service Connector: Service by Harness – See Part Catalog

Description: 8 M 280 GT 5.8 Series, Sealed (BK)

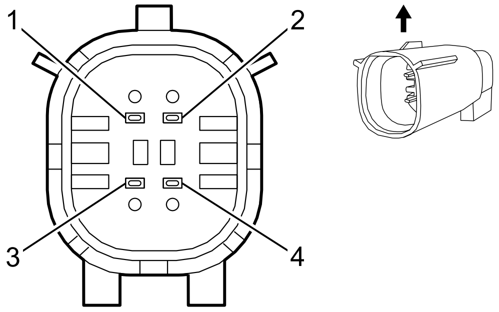
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575392	J-35616-4A (PU)	J-38125-553	15304720	19	4	5
II	13576356	J-35616-4A (PU)	J-38125-553	15304719	19	2	5
III	13576356	J-35616-4A (PU)	J-38125-553	15304719	19	E	5
IV	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X110 Forward Lamp Harness to Left Headlamp

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	1.5	BK	150	I	-	Ground	A	0.5	BK	150	IV	-
B	0.75	YE	712	II	-	Left Headlamp Low Beam Supply Voltage	B	0.5	RD	712	IV	-
C	0.5	WH	711	III	-	Left Headlamp High Beam Supply Voltage	C	0.5	BU	711	IV	-
D	-	-	-	-	-	Not Occupied	D	-	-	-	-	-
E	0.5	VT/GY	709	III	-	Left Park Lamp Supply Voltage	E	0.5	VT/GY	709	IV	-
F	0.75	D-BU/WH	1314	II	-	Left Front Turn Signal Lamp Supply Voltage	F	0.5	D-BU	1314	IV	-
G	0.75	GY/D-BU	7538	II	-	Left Front DRL Supply Voltage	G	0.5	BN	7538	IV	-
H	0.5	VT/GY	709	III	-	Left Park Lamp Supply Voltage	H	0.5	WH	709	IV	-

X111 Engine Harness to Front Axle Harness



Connector Part Information

Harness Type: Engine

OEM Connector: 13586625

Service Connector: Not Available

Description: 4-Way M 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Front Axle

OEM Connector: 13872556

Service Connector: Service by Harness - See Part Catalog

Description:

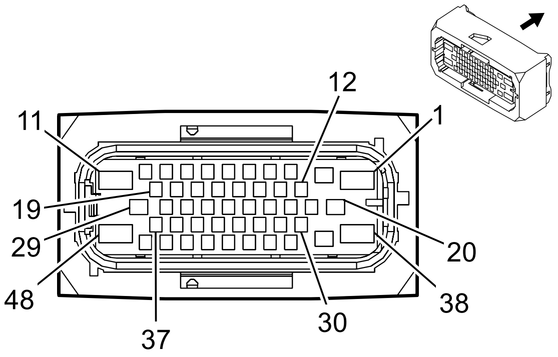
Terminal Part Information

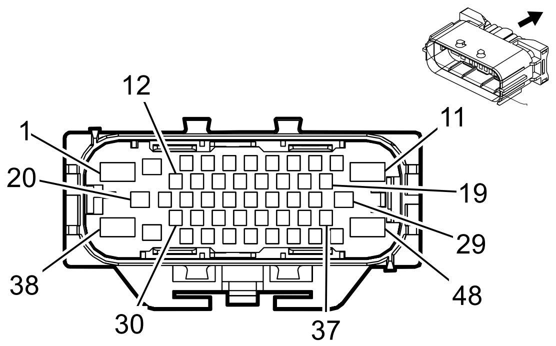
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
III	Not Available	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
IV	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2

X111 Engine Harness to Front Axle Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1							1	0.5	YE/WH	1695	I	-
2							2	0.5	GY/BK	1570	I	-
3							3	0.5	VT/BK	2139	I	-
4							4	1	BK	550	II	-

X115 Engine Harness to Body Harness





Connector Part Information

Harness Type: Engine

OEM Connector: 13937450

Service Connector: 13586844

Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (GY)

Connector Part Information

Harness Type: Body

OEM Connector: 13937617

Service Connector: 13586850

Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-42 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
IV	13327156	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1
V	Pending	J-35616-42 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	E	1
VII	13578882	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VIII	13580827	J-35616-5 (PU)	J-38125-36	1-962915-3	15	E	1
IX	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	C	4

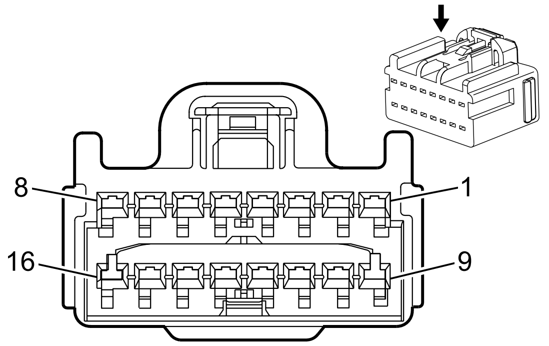
X115 Engine Harness to Body Harness

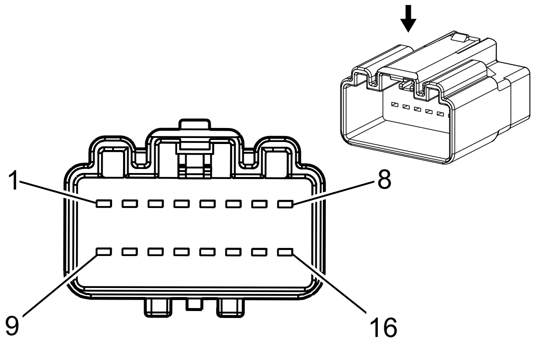
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	-	-	-	-	-	Not Occupied	1	-	-	-	-	-
2	0.75	D-BU/BN	7573	IV	-	Electric Variable Displacement Supply	2	0.5	D-BU/BN	7573	VIII	-
3	0.5	BN/WH	419	III	-	Check Engine Indicator Control	3	0.35	BN/WH	419	VII	-
4	0.5	WH/D-BU	6311	III	-	Cruise/ETC/TCC Brake Signal	4	0.35	WH/D-BU	6311	VII	-
5	0.5	WH	2501	III	-	High Speed GMLAN Serial Data (+) (1)	5	0.5	WH	2501	VI	-

6	0.5	D-BU	2500	III	-	High Speed GMLAN Serial Data (+) (1)	6	0.5	D-BU	2500	VI	-
7	0.5	WH	5359	III	-	Brake Apply Sensor Supply Voltage	7	0.5	WH	5359	VI	-
8	0.5	BK/BN	5360	III	-	Brake Apply Sensor Low Reference	8	0.5	BK/BN	5360	VI	-
9	0.5	D-BU/YE	5361	III	-	Brake Apply Sensor Signal	9	0.5	D-BU/YE	5361	VI	-
10	0.5	YE/WH	1161	I	-	Accelerator Pedal Position Signal (1)	10	0.35	YE/WH	1161	III	-
11	3	BK	550	II	-	Ground	11	4	BK	550	V	-
14	0.5	YE/WH	1695	III	-	Four Wheel Drive Wheel Lock Indicator	14	0.5	YE/WH	1695	VI	-
15	0.5	GY/BK	1570	III	-	Front Axle Actuator Control	15	0.5	GY/BK	1570	VI	-
16	0.5	VT/YE	5985	III	-	Accessory Wakeup Serial Data	16	0.35	VT/YE	5985	VII	-
17	0.5	WH/D-BU	5986	III	-	Serial Data Communication Enable	17	0.5	WH/D-BU	5986	VI	-
18	0.5	WH/RD	1164	I	-	Accelerator Pedal Position 5 Volt Reference (1)	18	0.35	WH/RD	1164	III	-
19	0.5	BK/D-BU	1271	I	-	Accelerator Pedal Position Low Reference (1)	19	0.35	BK/D-BU	1271	III	-
20	0.75	D-BU/YE	7574	IV	-	Electric Variable Displacement Control	20	0.5	D-BU/YE	7574	VIII	-
21	-	-	-	-	-	Not Occupied	21	-	-	-	-	-
22	0.5	D-BU/GY	7473	III	-	Incremental Encoder Impulse Signal	22	0.35	D-BU/GY	7473	VII	-
23	0.5	VT	7476	III	-	Incremental Encoder Sensor Return	23	0.35	VT	7476	VII	-
24	-	-	-	-	-	Not Occupied	24	-	-	-	-	-
25	0.5	BN/RD	1274	I	-	Accelerator Pedal Position 5 Volt Reference (2)	25	0.35	BN/RD	1274	III	-
26	0.5	L-GN/WH	1162	I	-	Accelerator Pedal Position Signal (2)	26	0.35	L-GN/WH	1162	III	-
27	0.5	BK/PU	1272	I	-	Accelerator Pedal Position Low Reference (2)	27	0.35	BK/VT	1272	III	-
30	0.5	WH/L-GN	7475	III	-	Incremental Encoder Sensor (8V) Supply	30	0.35	WH/L-GN	7475	VII	-

31	0.5	YE	7474	III	-	Incremental Encoder Direction Signal	31	0.35	YE	7474	VII	-
35	0.5	D-BU/YE	6105	III	-	High Speed GMLAN Serial Data (+) (2)	35	0.5	D-BU/YE	6105	VI	-
36	0.5	WH	6106	III	-	High Speed GMLAN Serial Data (-) (2)	36	0.5	WH	6106	VI	-
37	0.75	RD/D-BU	4540	III	-	Battery Positive Voltage	37	0.75	RD/D-BU	4540	VI	-
38	3	YE/VT	1553	II	-	Transfer Case Motor Counter Clockwise Control	38	4	YE/VT	1553	V	-
39	0.75	RD/VT	2640	IV	-	Battery Positive Voltage	39	0.75	RD/VT	2640	VIII	-
40	0.5	BN/L-GN	4311	III	-	Power Take Off Enable In Cab Switch Normally Closed Signal	40	0.35	BN/L-GN	4311	VII	-
41	0.5	L-GN/WH	488	III	-	Power Take Off Enable Switch	41	0.35	L-GN/WH	488	VII	-
42	0.5	VT/BN	300	III	-	Run Ignition 3 Voltage	42	0.5	VT/BN	300	VI	-
43	0.5	L-GN/BN	507	III	-	Wait To Start Indicator Control	43	0.35	L-GN/BN	507	VII	-
44	0.5	D-BU/YE	68	III	-	Low Coolant Level Indicator Control	44	0.5	D-BU/YE	68	VI	-
48	3 3	YE/GY OG	1552 1552	II	-	Transfer Case Motor Clockwise Control Transfer Case Motor Clockwise Control	48	4	YE/GY	1552	V	-

X119 Body Harness to Brake Clutch Jumper Harness (except E29)





Connector Part Information

Harness Type: Body

OEM Connector: 10847013

Service Connector: 89047090

Description: 16-Way F Kaizen YESC Series (GN)

Connector Part Information

Harness Type: Brake Clutch Jumper

OEM Connector: 13507433

Service Connector: Service by Harness - See Part Catalog

Description: 16-Way M 1.5 Kaizen Series (GN)

Terminal Part Information

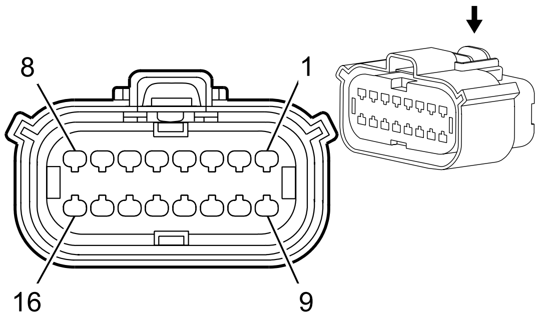
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-2A (GY)	J-38125-11A	7116-4100-08	9	E	C
III	Pending	J-35616-3 (GY)	J-38125-553	7114-4100-08	9	E	C

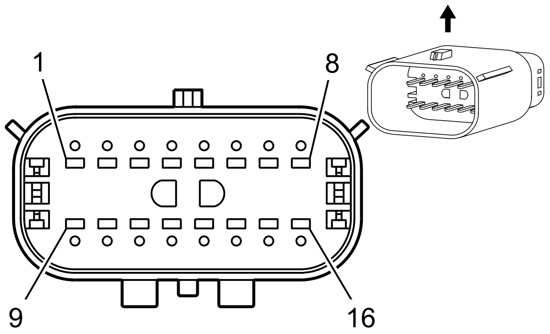
X119 Body Harness to Brake Clutch Jumper Harness (except E29)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	BK/D-BU	1271	I	-	Accelerator Pedal Position Low Reference (1)	1	0.35	BK/D-BU	1271	III	-
2	0.35	YE/WH	1161	I	-	Accelerator Pedal Position Signal (1)	2	0.35	YE/WH	1161	III	-
3	0.35	WH/RD	1164	I	-	Accelerator Pedal Position 5 Volt Reference (1)	3	0.35	WH/RD	1164	III	-
4	0.35	BK/VT	1272	I	-	Accelerator Pedal Position Low Reference (2)	4	0.35	BK/VT	1272	III	-
5	0.35	L-GN/WH	1162	I	-	Accelerator Pedal Position Signal (2)	5	0.35	L-GN/WH	1162	III	-
6	0.35	BN/RD	1274	I	-	Accelerator Pedal Position 5 Volt Reference (2)	6	0.35	BN/RD	1274	III	-
7	0.5	WH	5359	II	-	Brake Apply Sensor Supply Voltage	7	0.5	WH	5359	III	-
8	0.5	BK/BN	5360	II	-	Brake Apply Sensor	8	0.5	BK/BN	5360	III	-

8	0.5	BK/BN	5360	II	-	Brake Apply Sensor Low Reference	8	0.5	BK/BN	5360	III	-
9	0.5	D-BU/YE	5361	II	-	Brake Apply Sensor Signal	9	0.5	D-BU/YE	5361	III	-
10	0.5	YE/BK	7478	II	-	Rotary Position Sensor Return	10	0.5	YE/BK	7478	III	-
11	0.5	WH/RD	7477	II	-	Rotary Position Sensor Supply 5V	11	0.5	WH/RD	7477	III	-
12	0.5	WH/L-GN	7479	II	-	Rotary Position Sensor Signal	12	0.5	WH/L-GN	7479	III	-
13-16	-	-	-	-	-	Not Occupied	13-16	-	-	-	-	-

X119 Brake Clutch Jumper Harness to Body Harness (E29)





Connector Part Information

Harness Type: Brake Clutch Jumper

OEM Connector: 13778557

Service Connector: 13584788

Description: 16-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Body

OEM Connector: 13551665

Service Connector: 19300393

Description: 16-Way M 150 MX Series, Sealed (BK)

Terminal Part Information

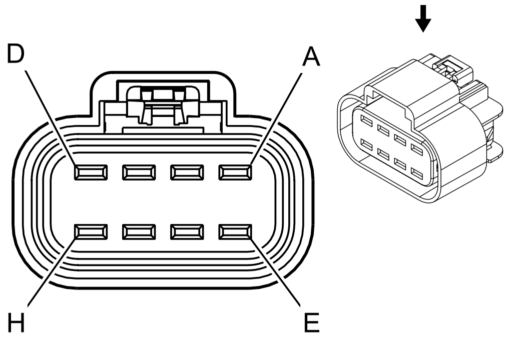
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2
III	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available

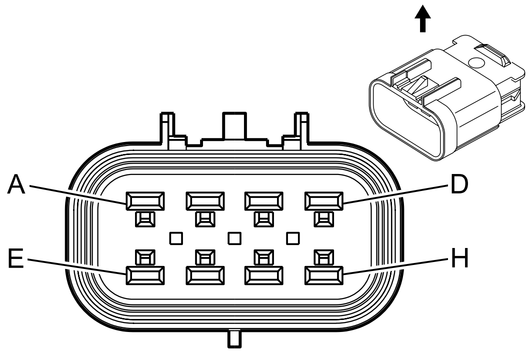
X119 Brake Clutch Jumper Harness to Body Harness (E29)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	BK/D-BU	1271	I	-	Accelerator Pedal Position Low Reference (1)	1	0.35	BK/D-BU	1271	I	-
2	0.35	YE/WH	1161	I	-	Accelerator Pedal Position Signal (1)	2	0.35	YE/WH	1161	I	-
3	0.35	WH/RD	1164	I	-	Accelerator Pedal Position 5 Volt Reference (1)	3	0.35	WH/RD	1164	I	-
4	0.35	BK/VT	1272	I	-	Accelerator Pedal Position Low Reference (2)	4	0.35	BK/VT	1272	I	-
5	0.35	L-GN/WH	1162	I	-	Accelerator Pedal Position Signal (2)	5	0.35	L-GN/WH	1162	I	-
6	0.35	BN/RD	1274	I	-	Accelerator Pedal Position 5 Volt Reference (2)	6	0.35	BN/RD	1274	I	-
7-9	-	-	-	-	-	Not Occupied	7-9	-	-	-	-	-
10	0.5	WH/L-GN	526	II	-	Stop Lamp Switch Signal	10	0.35	WH/L-GN	526	III	-

11	0.5	BK/L-GN	552	II	-	Sensor Low Reference	11	0.35	BK/L-GN	552	III	-
12	0.5	GY/RD	598	II	-	5 Volt Reference	12	0.35	GY/RD	598	III	-
13	0.5	GY/RD	6109	II	-	Clutch Apply Sensor Voltage Reference	13	0.5	GY/RD	6109	III	-
14	0.5	BK/GY	6110	II	-	Clutch Apply Sensor Low Reference	14	0.5	BK/GY	6110	III	-
15	0.5	YE	6111	II	-	Clutch Apply Sensor Signal	15	0.5	YE	6111	III	-
16	-	-	-	-	-	Not Occupied	16	-	-	-	-	-

X120 Forward Lamp Harness to Right Headlamp





Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 15326654

Service Connector: SEE NOTE

Description: 8-Way F 280 GT 5.8 Series, Sealed (BK)

Connector Part Information

Harness Type:

OEM Connector: EEM0286

Service Connector: Service by Harness – See Part Catalog

Description: 8 M 280 GT 5.8 Series, Sealed (BK)

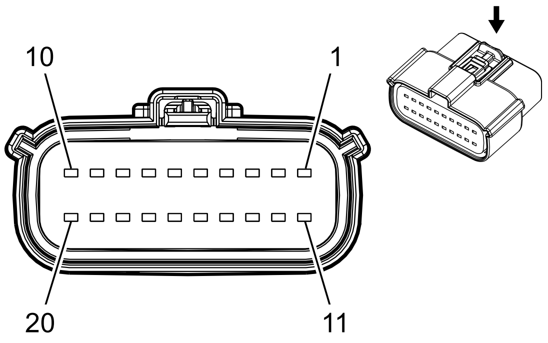
Terminal Part Information

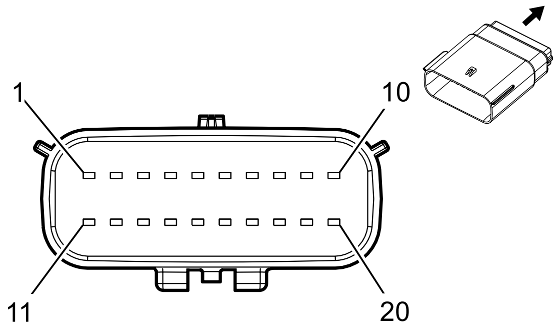
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575392	J-35616-4A (PU)	J-38125-553	15304720	19	4	5
II	13576356	J-35616-4A (PU)	J-38125-553	15304719	19	2	5
III	13576356	J-35616-4A (PU)	J-38125-553	15304719	19	E	5
IV	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X120 Forward Lamp Harness to Right Headlamp

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	1.5	BK	250	I	-	Ground	A	0.5	BK	250	IV	-
B	0.75	YE	312	II	-	Right Headlamp Low Beam Supply Voltage	B	0.5	RD	312	IV	-
C	0.5	WH	311	III	-	Right Headlamp High Beam Supply Voltage	C	0.5	BU	311	IV	-
D	-	-	-	-	-	Not Occupied	D	-	-	-	-	-
E	0.5	GY/BN	309	III	-	Right Park Lamp Supply Voltage	E	0.5	VT/GY	309	IV	-
F	0.75	L-GN/PU	1315	II	-	Right Front Turn Signal Lamp Supply Voltage	F	0.5	D-BU	1315	IV	-
G	0.75	D-BU/BN	7539	II	-	Right Front DRL Supply Voltage	G	0.5	BN	1539	IV	-
H	0.5	GY/BN	309	III	-	Right Park Lamp Supply Voltage	H	0.5	WH	309	IV	-

X125 Engine Harness to Chassis Harness





Connector Part Information

Harness Type: Engine

OEM Connector: 13650143

Service Connector: 19300557

Description: 20-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Chassis

OEM Connector: 13520296

Service Connector: 19300560

Description: 20-Way M 1.5 Series, Sealed (BK)

Terminal Part Information

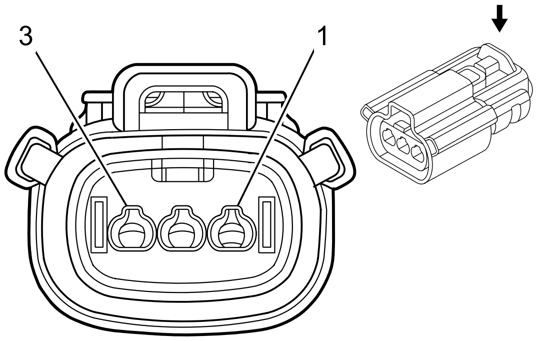
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2
II	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	2	4
III	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
IV	Pending	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

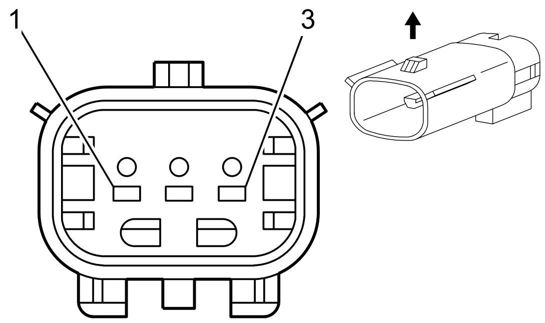
X125 Engine Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5 0.5	VT/D-BU BK/L-GN	3120 3657	I	-	Heated Oxygen Sensor High Signal Bank 1 Sensor (2) Exhaust Gas Temperature Sensor #3 Low Reference	1	0.5 0.5	BK/L-GN VT/D-BU	3657 3120	III	-
2	0.5 0.5	WH/YE GY/L-GN	3121 5378	I	-	Heated Oxygen Sensor Low Signal Bank 1 Sensor (2) Exhaust Gas Temperature Sensor (3)	2	0.5 0.5	GY/L-GN WH/YE	5378 3121	III	-
3	0.5 0.5	GY/WH BK/PU	3122 3661	I	-	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor (2) Exhaust Gas Temperature Sensor #5 Low Reference	3	0.5 0.5	BK/VT GY/WH	3661 3122	III	-
4	0.5 0.5	VT/D-BU D-BU/GY	5294 3660	I	-	Powertrain Main Relay Fused Supply (5) Exhaust Gas	4	0.5 0.5	D-BU/GY VT/D-BU	3660 5294	III	-

						Exhaust Gas Temperature Sensor #5 Signal					
5	0.5	D-BU/YE	6105	I	-	High Speed GMLAN Serial Data (+) (2)	5	0.5	D-BU/YE	6105	IV	-
6	0.5	WH	6106	I	-	High Speed GMLAN Serial Data (-) (2)	6	0.5	WH	6106	IV	-
7	0.5	WH	1310	I	-	EVAP Canister Vent Solenoid Control	7	0.5	WH	1310	IV	-
8	0.5	D-BU/WH	1937	I	-	Secondary Fuel Level Sensor Signal	8	0.5	D-BU/WH	1937	IV	-
9-10	-	-	-	-	-	Not Occupied	9-10	-	-	-	-	-
11	0.5	D-BU/VT	1589	I	-	Primary Fuel Level Sensor Signal	11	0.5	D-BU/VT	1589	IV	-
12	0.5	BK/L-GN	6281	I	-	Fuel Level Sensor Low Reference	12	0.5	BK/L-GN	6281	IV	-
13	0.5	D-BU	6053	I	-	Exhaust Pressure Sensor Signal (1)	13	0.5	D-BU	6053	III	-
14	0.5	WH/RD	6054	I	-	Exhaust Pressure Sensor 5 Volt Reference (1)	14	0.5	WH/RD	6054	III	-
15	0.5 0.5	D-BU/WH BK/YE	890 6055	I	-	Fuel Tank Pressure Sensor Signal Exhaust Pressure Sensor Low Reference (1)	15	0.5 0.5	D-BU/WH BK/YE	890 6055	IV	-
16	0.5	YE/RD	2709	I	-	Fuel Tank Pressure Sensor 5 Volt Reference	16	0.5	YE/RD	2709	IV	-
17	0.5	D-BU/BK	7493	I	-	High Speed GMLAN Serial Data (+)(3)	17	0.5	D-BU/BK	7493	IV	-
18	0.5	WH	7494	I	-	High Speed GMLAN Serial Data (-)(3)	18	0.5	WH	7494	IV	-
19	1.5	GY	3672	II	-	Nox Sensor (2) Supply Voltage	19	0.75	GY	3672	IV	-
20	1.5	BK/GY	3671	II	-	Nox Sensor (2) Ground	20	0.75	BK/GY	3671	IV	-

X135 Fuel Pressure Sensor Jumper Harness to Engine Harness





Connector Part Information

Harness Type: Fuel Pressure Sensor Jumper

OEM Connector: 33471-0301

Service Connector: 19167749

Description: 3-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Engine

OEM Connector: 33481-0301

Service Connector: 13580232

Description: 3-Way M 150 MX Series (BK)

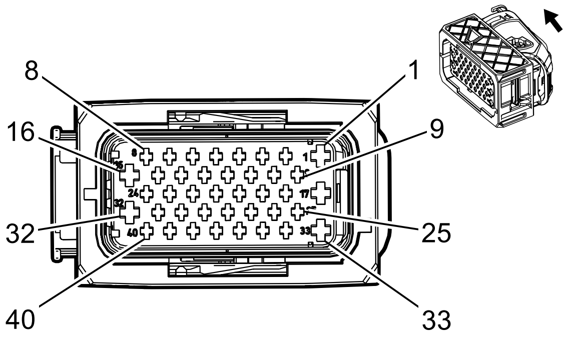
Terminal Part Information

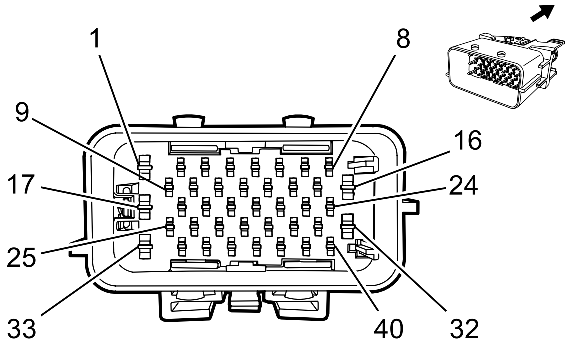
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

X135 Fuel Pressure Sensor Jumper Harness to Engine Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5		2917	I	LML	Fuel Rail Pressure Sensor (5) Volt Reference	1	0		2917	I	LML
2	0.5	YE	2918	I	LML	Fuel Rail Pressure Sensor Signal	2	0	YE	2918	I	LML
3	0.5	OG/BK	2919	I	LML	Fuel Rail Pressure Sensor Low Reference	3	0	OG/BK	2919	I	LML

X138 Chassis Harness to Body Harness





Connector Part Information

Harness Type: Chassis

OEM Connector: 13965186

Service Connector: 19301818

Description: 40-Way F 1.5 DSQ, 2.8 ATS Series, Sealed

Connector Part Information

Harness Type: Body

OEM Connector: 13603208

Service Connector: 13576551

Description: 40-Way M 1.5 DSQ, 2.8 ATS Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1
II	13578884	J-35616-14 (GN)	J-38125-560	964274-2	16	E	1
III	13327155	J-35616-35 (VT)	J-38125-36	4-964273-1	15	C	5
IV	13327181	J-35616-14 (GN)	J-38125-560	964274-2	16	E	1
V	13580827	J-35616-5 (PU)	J-38125-36	1-962915-3	15	E	1
VI	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	E	1
VII	13578882	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VIII	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	C	4

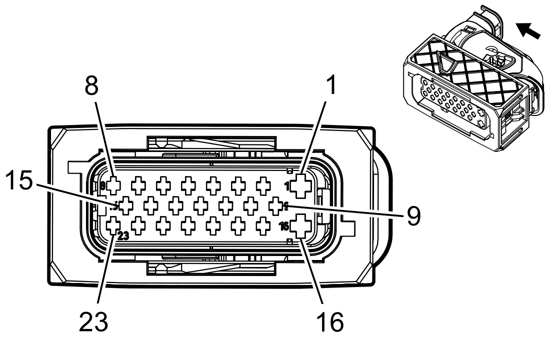
X138 Chassis Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	L-GN/BK	7633	I	-	Integrated Trailer Brake Controller User Gain Signal	1					
2	0.5	L-GN/BN	2087	II	-	Combined Vehicle Inertial Sensor Supply Voltage	2	0.35	L-GN/BN	2087	VII	-
3	0.5	YE	7635	II	-	Integrated Trailer Brake Controller Manual Apply Signal	3					
4	0.5	D-BU/RD	7632	II	-	Integrated Trailer Brake Controller Switch 5 Volt Reference	4					

5	0.5	BN	7634	II	-	Integrated Trailer Brake Contoller Redundant Manual Apply Signal	5					
6	0.5	BK/BN	7631	II	-	Integrated Trailer Brake Controller Switch Low Reference	6					
7-8	-	-	-	-	-	Not Occupied	7-8	-	-	-	-	-
9	0.5	BN/WH	2374	II	-	Object Sensor Supply Voltage	9					
10	-	-	-	-	-	Not Occupied	10	-	-	-	-	-
11	0.5	YE	2375	II	-	Left Rear Corner Object Sensor Signal	11					
12	0.5	YE/D-BU	2376	II	-	Left Rear Middle Object Sensor Signal	12					
13	0.5	YE/VT	2378	II	-	Right Rear Corner Object Sensor Signal	13					
14	0.5	YE/WH	2377	II	-	Right Rear Middle Object Sensor Signal	14					
15	-	-	-	-	-	Not Occupied	15	-	-	-	-	-
16	0.5	L-GN/YE	6846	I	-	Rear License Lamp Supply Voltage	16	0.5	L-GN/YE	6846	V	-
17	0.5	WH/D-BU	5986	I	-	Serial Data Communication Enable	17	0.5	WH/D-BU	5986	V	-
18	0.5	D-BU	2500	II	-	High Speed GMLAN Serial Data (+) (1)	18	0.5	D-BU	2500	VI	-
19	0.5	WH	2501	II	-	High Speed GMLAN Serial Data (-) (1)	19	0.5	WH	2501	VI	-
20	0.5	VT/YE	5985	II	-	Accessory Wakeup Serial Data	20	0.5	VT/YE	5985	VI	-
21	0.5	BK/GY	2379	II	-	Object Sensor Low Reference	21					
22-28	-	-	-	-	-	Not Occupied	22-28	-	-	-	-	-
29	0.5	BK	2550	II	-	Ground	29					
30	0.5	BK	6974	II	-	Camera Drain Wire	30					
31	-	-	-	-	-	Not Occupied	31	-	-	-	-	-
32	2.5	D-BU	47	III	-	Trailer Auxiliary Supply Voltage	32	2.5	D-BU	47	VIII	-
33-35	-	-	-	-	-	Not Occupied	33-35	-	-	-	-	-
36	0.75	WH/VT	1430	IV	-	Exterior Courtesy Lamp Supply Voltage	36					
37	0.5	GY/YE	6972	II	-	Camera Signal #2 -	37					

37	0.5	GY/YE	6972	II	-	Camera Signal #2 +	37					
38	0.5	WH/D-BU	6973	II	-	Camera Signal #2	38					
39	-	-	-	-	-	Not Occupied	39	-	-	-	-	-
40	0.5	L-GN/GY	817	II	-	Vehicle Speed Signal	40					

X150 Body Harness to Forward Lamp Harness



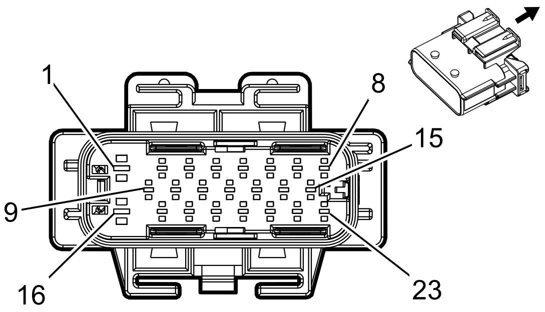
Connector Part Information

Harness Type: Body

OEM Connector: 13674800

Service Connector: No SDC/FSU

Description: 23-Way F 1.5 DSQ, 2.8 AST Series, Sealed (BK)



Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13750011

Service Connector: 19301797

Description: 23-Way M 1.5, 2.8 Series, Sealed (BK)

Terminal Part Information

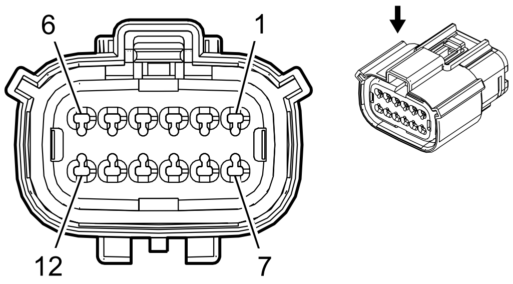
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575389	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1
II	13576369	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	E	1
III	13580827	J-35616-5 (PU)	J-38125-36	1-962915-3	15	E	1
IV	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	E	1

X150 Body Harness to Forward Lamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	BK/D-BU	61	I	-	Outside Ambient Temperature Sensor Low Reference	1	0.5	BK/D-BU	61	III	-
2-3	-	-	-	-	-	Not Occupied	2-3	-	-	-	-	-
4	0.5	YE/GY	5216	II	-	Front Parking Left Mid Sensor	4	0.5	YE/GY	5216	IV	-
5	0.5	WH/GY	5217	II	-	Front Parking Right Corner Sensor	5	0.5	WH/GY	5217	IV	-
6	0.5	VT/GY	5218	II	-	Front Parking Right Mid Sensor	6	0.5	VT/GY	5218	IV	-
7	0.5	BK/D-BU	5214	II	-	Front Parking Sensor Low Reference	7	0.5	BK/D-BU	5214	IV	-
8	0.5	VT/WH	5215	II	-	Front Parking Left Corner Sensor	8	0.5	VT/WH	5215	IV	-
14	0.35	VT	185	II	-	Low Washer Fluid Indicator Control	14	0.5	VT	185	IV	-

15	0.5	YE/VT	5213	II	-	Front Parking Left/Right/Mid Sensor	15	0.5	YE/VT	5213	IV	-
16	0.35	D-BU/GY	636	I	-	Outside Ambient Air Temperature Sensor Signal	16	0.5	D-BU/GY	636	III	-
17-19	-	-	-	-	-	Not Occupied	17-19	-	-	-	-	-
20	0.35 0.35	OG/YE OG/GY	354 6618	II	-	Left Front Discriminating Sensor Signal Middle Front Discriminating Sensor Signal	20	0.5	OG/GY	6618	IV	-
21	0.35 0.35	BK/OG BK/OG	5045 6619	II	-	Left Front Discriminating Sensor Low Reference Middle Front Discriminating Sensor Low Reference	21	0.5	BK/OG	6619	IV	-
22	-	-	-	-	-	Not Occupied	22	-	-	-	-	-
23	0.5	BN/L-GN	109	II	-	Hood Ajar Switch Signal	23	0.5	BN/L-GN	109	IV	-

X155 Engine Harness to Engine Harness (LML)



Connector Part Information

Harness Type: Engine

OEM Connector: 33472-1301

Service Connector: 19260932

Description: 12-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Engine

OEM Connector: 334821201

Service Connector: Not Available

Description:

Terminal Part Information

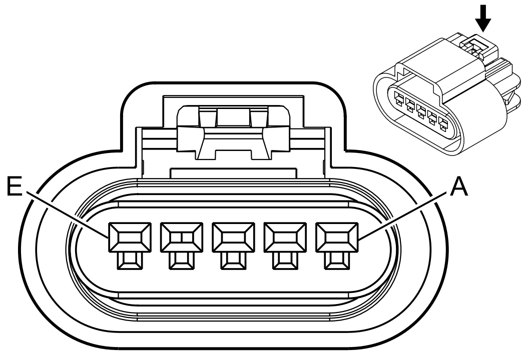
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

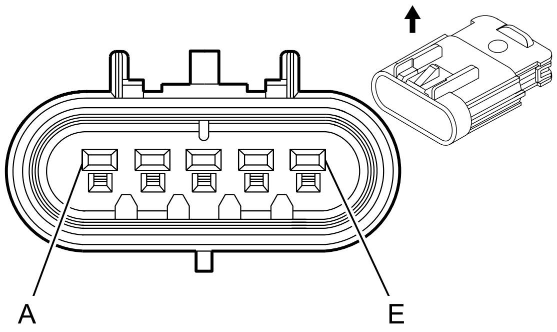
X155 Engine Harness to Engine Harness (LML)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.50F	YE	410	I	-	Engine Coolant Temperature Sensor Signal	1					
2	0.50F		2761	I	-	Coolant Temperature Sensor Low Reference	2					
3	0.50F	BN/GY	7072	I	-	Sensor Fuel Temperature 1 Signal	3					
4	0.50F	BN/WH	7073	I	-	Sensor Fuel Temperature 1 Return	4					
5	0.50F	YE	2928	I	-	Fuel Metering Valve High Control	5					
6	0.50F	BK	2929	I	-	Fuel Metering Valve Low Control	6					
7	0.8	VT/WH	2530	I	-	Fuel Rail Pressure Solenoid Supply Voltage	7					
8	0.8	YE	2834	I	-	Fuel Rail Pressure Solenoid Low Reference	8					
9	0.50F	WH	331	I	-	Oil Pressure Sensor Signal	9					

10	0.50F	BK	2755	I	-	Oil Pressure Sensor Low Reference	10					
11	0.50F	GY	2705	I	-	Oil Pressure Sensor 5 Volt Reference	11					
12	0.50F	BN	1174	I	-	Oil Level Switch Signal	12					

X159 Engine Harness to Camshaft Position Sensor Jumper Harness





Connector Part Information

Harness Type: Engine

OEM Connector: 15326822

Service Connector: 13585858

Description: 5-Way F 150 GT Series, Sealed (BK)

Connector Part Information

Harness Type: Camshaft Position Sensor Jumper

OEM Connector: 15326827

Service Connector: 13504593

Description: 5-Way M 150 GT Series, Sealed (BK)

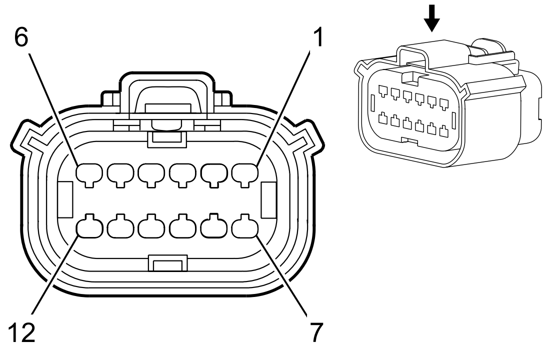
Terminal Part Information

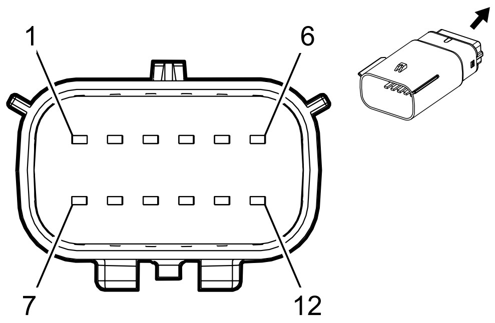
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1
II	13576363	J-35616-3 (GY)	J-38125-553	15326269	19	E	4

X159 Engine Harness to Camshaft Position Sensor Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.5	GY/D-BU	5300	I	-	Camshaft Position Intake Sensor Supply Voltage (1)	A	0.35	D-BU	6259	II	-
B	0.5	BK/L-GN	5301	I	-	Camshaft Position Intake Sensor Low Reference (1)	B	0.35	BN	6266	II	-
C	0.5	YE/VT	5275	I	-	Camshaft Position Intake Sensor (1)	C	0.35	D-BU/WH	6265	II	-
D	0.5	VT/BN	5284	I	-	Camshaft Phaser Intake Solenoid (1)	D	0.35		5284	II	-
E	0.5	BK/BN	6753	I	-	Cam Phaser W Return Low Reference	E	0.35	PU	2199	II	-

X160 Engine Harness to Odd Fuel Injector Harness





Connector Part Information

Harness Type: Engine

OEM Connector: 13653762

Service Connector: 13503528

Description: 12-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type:

OEM Connector: 13503542

Service Connector: Service by Harness - See Part Catalog

Description: 12 M (BK)

Terminal Part Information

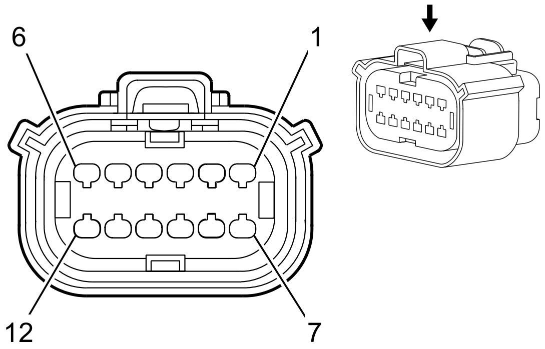
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

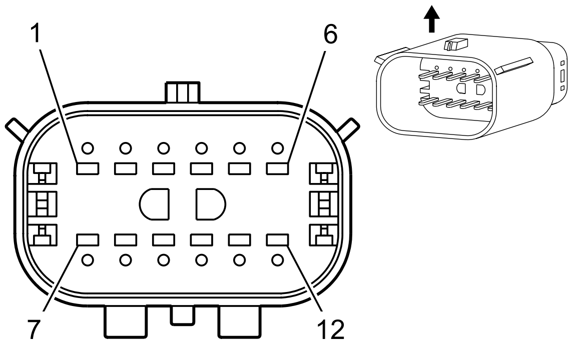
X160 Engine Harness to Odd Fuel Injector Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BN/WH	4901	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	1	0.5	BN/WH	4901	I	L83/L86
2	0.75	L-GN/BK	4903	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	2	0.5	GN/GY	4903	I	L83/L86
3	0.75	L-GN/WH	4905	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	3	0.5	GN/WH	4905	I	L83/L86
4	0.75	WH/YE	4907	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 7	4	0.5	WH/YE	4907	I	L83/L86
5	0.75	BN	4801	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	5	0.5	BN	4801	I	L83/L86
6	0.5	BN/YE	2161	I	-	Fuel Rail Pressure Sensor #2 Signal	6	0.5	BN/YE	2161	I	L83/L86
7	0.75	L-GN	4803	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	7	0.5	GN	4803	I	L83/L86
8	0.75	WH/L-GN	4805	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	8	0.5	WH/GN	4805	I	L83/L86

9	0.75	YE/GY	4807	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 7	9	0.5	YE/GY	4807	I	L83/L86
10	0.5	BN/RD	2917	I	-	Fuel Rail Pressure Sensor (5) Volt Reference	10	0.5	BN/RD	2917	I	-
11	0.5	D-BU/WH	2918	I	-	Fuel Rail Pressure Sensor Signal	11	0.5	BU/WH	2918	I	-
12	0.5	BK/L-GN	2919	I	-	Fuel Rail Pressure Sensor Low Reference	12	0.5	BK/GN	2919	I	-

X161 Engine Harness to Even Fuel Injector Harness





Connector Part Information

Harness Type: Engine
OEM Connector: 13863397
Service Connector: No SDC/FSU
Description: 12-Way F 1.5 Series, Sealed (BK)
Harness Type: Engine
OEM Connector: 13922706
Service Connector: 13503528
Description: 12-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type:
OEM Connector: 13577093
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way M 150 MX Series, Sealed (BK)

Terminal Part Information

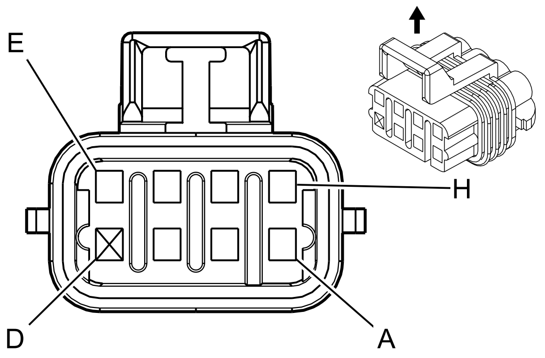
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	A/E	A/C
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

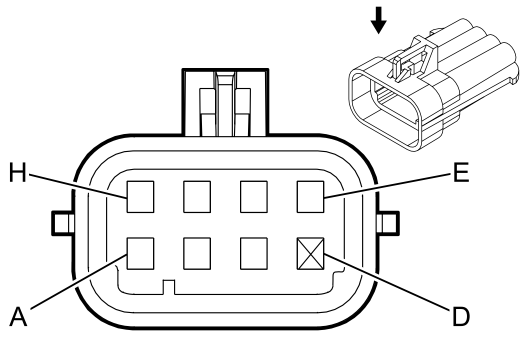
X161 Engine Harness to Even Fuel Injector Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	D-BU/YE	4902	II	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	1					
2	0.75 0.75	D-BU/YE D-BU/WH	4902 4904	I	LV1/LV3	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2 Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	2	0.5	BU/GY	4902	II	LV1/LV3
3	0.75 0.75	D-BU/WH VT	4904 4906	I	LV1/LV3	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4 Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	3	0.5	BU/WH	4904	II	LV1/LV3
4	0.75 0.75	VT GY/D-BU	4906 4908	I	LV1/LV3	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6 Direct Fuel Injector (DFI) High Voltage	4	0.5	VT/GY	4906	II	LV1/LV3

						(DFI) High Voltage Supply Cylinder 8						
5	0.75 0.75	D-BU D-BU	4802 4802	I	LV1/LV3	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2 Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	5	0.5	BU	4802	II	LV1/LV3
6-7	-	-	-	-	-	Not Occupied	6-7	-	-	-	-	-
8	0.75 0.75	GY/D-BU GY/D-BU	4804 4804	I	LV1/LV3	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4 Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	8	0.5	GY/BU	4804	II	LV1/LV3
9	0.75 0.75	PU/L-GN PU/L-GN	4806 4806	I	LV1/LV3	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6 Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	9	0.5	VT/GN	4806	II	LV1/LV3
10	0.75 0.75	VT/BK GY	7300 4808	I	LV1/LV3	High Pressure Fuel Pump Actuator Low - Control Direct Fuel Injector (DFI) High Voltage Control Cylinder 8	10	0.5	VT/BK	7300	II	LV1/LV3
11	0.75 0.75	YE VT/BK	7301 7300	I	LV1/LV3	High Pressure Fuel Pump Actuator High - Control High Pressure Fuel Pump Actuator Low - Control	11	0.5	YE	7301	II	LV1/LV3
12	0.75	YE	7301	II	-	High Pressure Fuel Pump Actuator High - Control	12					

X170 Engine Harness to Ignition Coil (Odd) Harness





Connector Part Information

Harness Type: Engine

OEM Connector: 12047938

Service Connector: 13580883

Description: 8-Way F 150 Metri Pack Series, Sealed (L-GY)

Connector Part Information

Harness Type: Ignition Coil (Odd) Jumper

OEM Connector: 15496016

Service Connector: 12102490

Description: 8-Way M 150 Metri Pack Series (GY)

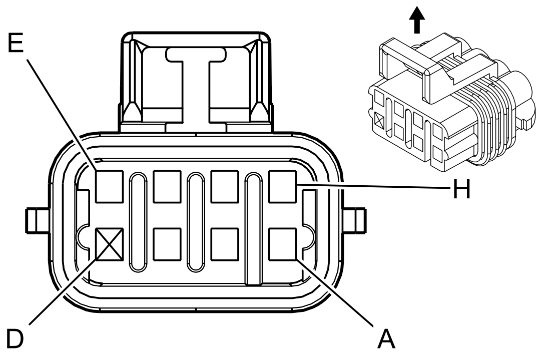
Terminal Part Information

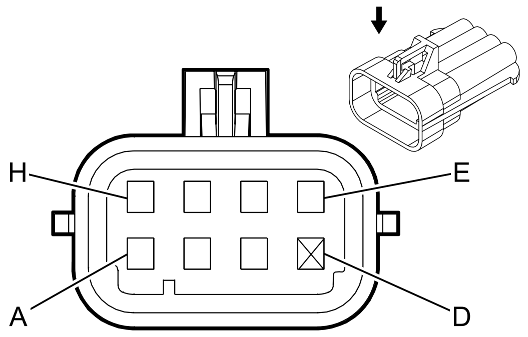
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1
II	Pending	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1
III	13575420	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1

X170 Engine Harness to Ignition Coil (Odd) Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.75	BK	350	I	-	Ground	A	0.8	BK	151	II	-
B	0.5	D-BU/WH	2122	I	-	Ignition Control (2)	B	0.5	RD	2127	III	-
C	0.5	YE/D-BU	2124	I	-	Ignition Control (4)	C	0.5	D-GN	2125	III	-
D	-	-	-	-	-	Not Occupied	D	-	-	-	-	-
E	0.5	BK/GY	2130	I	-	Ignition Control Low Reference Bank 2	E	0.5	BN	2129	III	-
F	0.5	BN/D-BU	2126	I	-	Ignition Control (6)	F	0.5	L-BU	2123	III	-
G	0.5	VT/WH	2128	I	-	Ignition Control (8)	G	0.5	PU	2121	III	-
H	0.75	VT/D-BU	5292	I	-	Powertrain Main Relay Fused Supply (3)	H	0.8	PK	39	II	-

X171 Engine Harness to Ignition Coil (Even) Harness





Connector Part Information

Harness Type: Engine

OEM Connector: 12047938

Service Connector: 13580883

Description: 8-Way F 150 Metri Pack Series, Sealed (L-GY)

Connector Part Information

Harness Type: Ignition Coil (Even) Jumper

OEM Connector: 15496016

Service Connector: 12102490

Description: 8-Way M 150 Metri Pack Series (GY)

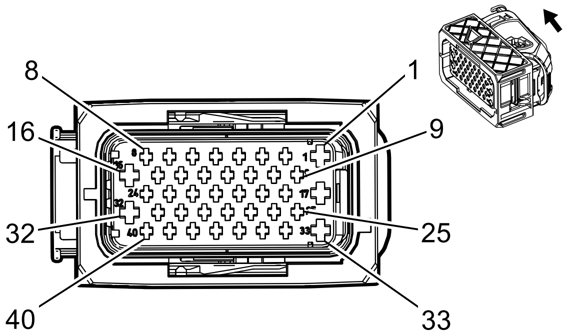
Terminal Part Information

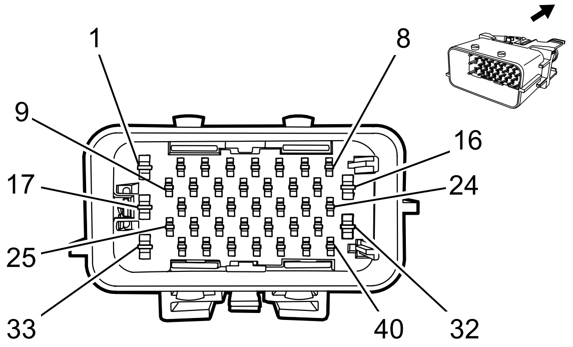
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1
II	Pending	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1
III	13575420	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1

X171 Engine Harness to Ignition Coil (Even) Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.75	BK	350	I	-	Ground	A	0.8	BK	151	II	-
B	0.5	L-GN/GY	2127	I	-	Ignition Control (7)	B	0.5	RD	2127	III	-
C	0.5	D-BU/GY	2125	I	-	Ignition Control (5)	C	0.5	D-GN	2125	III	-
D	-	-	-	-	-	Not Occupied	D	-	-	-	-	-
E	0.5	BK/D-BU	2129	I	-	Ignition Control Low Reference Bank 1	E	0.5	BN	2129	III	-
F	0.5	L-GN/D-BU	2123	I	-	Ignition Control (3)	F	0.5	L-BU	2123	III	-
G	0.5	D-BU/VT	2121	I	-	Ignition Control (1)	G	0.5	PU	2121	III	-
H	0.75	VT/D-BU	5291	I	-	Powertrain Main Relay Fused Supply (2)	H	0.8	PK	39	II	-

X185 Chassis Harness to Body Harness





Connector Part Information

Harness Type: Chassis

OEM Connector: 13965186

Service Connector: 19301818

Description: 40-Way F 1.5 DSQ, 2.8 ATS Series, Sealed

Connector Part Information

Harness Type: Body

OEM Connector: 13603208

Service Connector: 13576551

Description: 40-Way M 2.8 ATS DSQ 1.5 Series, Sealed

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-36	4-964286-1	16	E	1
II	13578884	J-35616-14 (GN)	J-38125-560	964274-2	16	E	1
III	13327155	J-35616-35 (VT)	J-38125-36	4-964273-1	15	C	5
IV	13327181	J-35616-14 (GN)	J-38125-560	964274-2	16	E	1
V	13580827	J-35616-5 (PU)	J-38125-36	1-962915-3	15	E	1
VI	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	E	1
VII	13578882	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VIII	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	C	4

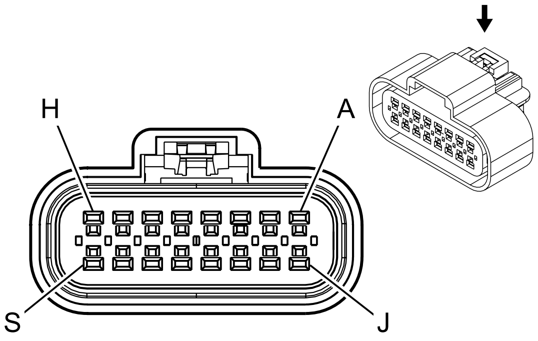
X185 Chassis Harness to Body Harness

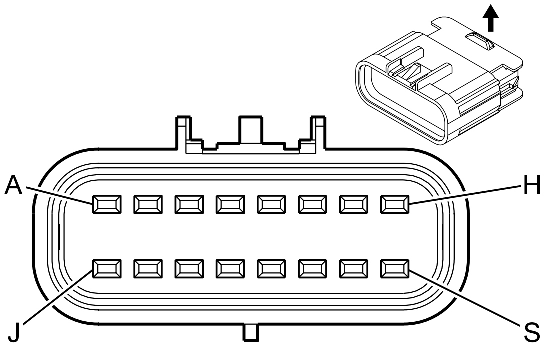
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	L-GN/BK	7633	I	-	Integrated Trailer Brake Controller User Gain Signal	1	0.5	L-GN/BK	7633	V	-
2	0.5	L-GN/BN	2087	II	-	Combined Vehicle Inertial Sensor Supply Voltage	2	0.35	L-GN/BN	2087	VII	-
3	0.5	YE	7635	II	-	Integrated Trailer Brake Controller Manual Apply Signal	3	0.5	YE	7635	VI	-
4	0.5	D-BU/RD	7632	II	-	Integrated Trailer Brake Controller Switch 5 Volt Reference	4	0.5	D-BU/RD	7632	VI	-

5	0.5	BN	7634	II	-	Integrated Trailer Brake Contoller Redundant Manual Apply Signal	5	0.5	BN	7634	VI	-
6	0.5	BK/BN	7631	II	-	Integrated Trailer Brake Controller Switch Low Reference	6	0.5	BK/BN	7631	VI	-
7-8	-	-	-	-	-	Not Occupied	7-8	-	-	-	-	-
9	0.5	BN/WH	2374	II	-	Object Sensor Supply Voltage	9	0.5	BN/WH	2374	VI	-
10	-	-	-	-	-	Not Occupied	10	-	-	-	-	-
11	0.5	YE	2375	II	-	Left Rear Corner Object Sensor Signal	11	0.5	YE	2375	VI	-
12	0.5	YE/D-BU	2376	II	-	Left Rear Middle Object Sensor Signal	12	0.5	YE/D-BU	2376	VI	-
13	0.5	YE/VT	2378	II	-	Right Rear Corner Object Sensor Signal	13	0.5	YE/VT	2378	VI	-
14	0.5	YE/WH	2377	II	-	Right Rear Middle Object Sensor Signal	14	0.5	YE/WH	2377	VI	-
15	-	-	-	-	-	Not Occupied	15	-	-	-	-	-
16	0.5	L-GN/YE	6846	I	-	Rear License Lamp Supply Voltage	16	0.5	L-GN/YE	6846	V	-
17	0.5	WH/D-BU	5986	I	-	Serial Data Communication Enable	17	0.5	WH/D-BU	5986	V	-
18	0.5	D-BU	2500	II	-	High Speed GMLAN Serial Data (+) (1)	18	0.5	D-BU	2500	VI	-
19	0.5	WH	2501	II	-	High Speed GMLAN Serial Data (-) (1)	19	0.5	WH	2501	VI	-
20	0.5	VT/YE	5985	II	-	Accessory Wakeup Serial Data	20	0.5	VT/YE	5985	VI	-
21	0.5	BK/GY	2379	II	-	Object Sensor Low Reference	21	0.5	BK/GY	2379	VI	-
29	0.5	BK	2550	II	-	Ground	29	0.75	BK	2550	VI	-
30	0.5	BK	6974	II	-	Camera Drain Wire	30	0.5	BK	6974	VI	-
31	-	-	-	-	-	Not Occupied	31	-	-	-	-	-
32	2.5	D-BU	47	III	-	Trailer Auxiliary Supply Voltage	32	2.5	D-BU	47	VIII	-
36	0.75	WH/VT	1430	IV	-	Exterior Courtesy Lamp Supply Voltage	36	0.75	WH/VT	1430	VI	-
37	0.5	GY/YE	6972	II	-	Camera Signal #2 +	37	0.35	GY/YE	6972	VII	-
38	0.5	WH/D-BU	6973	II	-	Camera Signal #2	38	0.35	WH/D-BU	6973	VII	-
39	-	-	-	-	-	Not Occupied	39	-	-	-	-	-

39	-	-	-	-	-	Not Occupied	39	-	-	-	-	-
40	0.5	L-GN/GY	817	II	-	Vehicle Speed Signal	40	0.5	L-GN/GY	817	VI	-

X191 Engine Harness to Power Take-Off Jumper Harness





Connector Part Information

Harness Type: Engine

OEM Connector: 15326863

Service Connector: 19180282

Description: 16-Way F 150 GT Series, Sealed (BK)

Connector Part Information

Harness Type: Power Take-Off Jumper

OEM Connector: 15326868

Service Connector: 15306364

Description: 16-Way M 150 Series, Sealed (BK)

Terminal Part Information

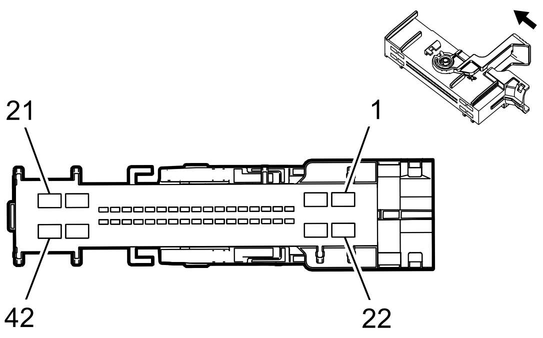
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575412	J-35616-2A (GY)	J-38125-553	12191819	8	2	1
II	13575298	J-35616-2A (GY)	J-38125-553	12191819	8	E	1
III	13576363	J-35616-3 (GY)	J-38125-553	15326269	19	E	4

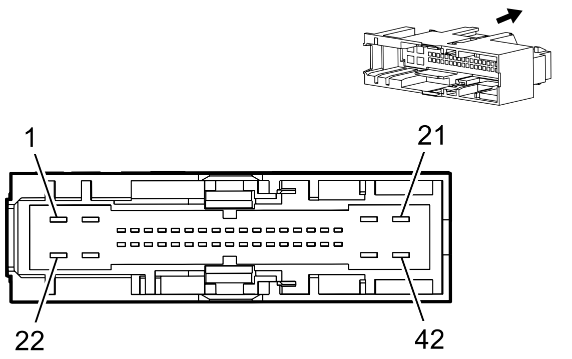
X191 Engine Harness to Power Take-Off Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.75	BN/WH	6085	I	-	Power Take Off Remote Engine Start Switch Signal	A	0.75	BN/WH	6085	III	-
B	0.75	BN	6381	I	-	Power Take Off Relay Engage Signal	B	-	-	-	-	-
C	-	-	-	-	-	Not Occupied	C	-	-	-	-	-
D	0.75	BK	550	I	-	Ground	D	-	-	-	-	-
E-F	-	-	-	-	-	Not Occupied	E-F	-	-	-	-	-
G	0.75	YE	2522	I	-	Power Take Off Status Signal	G	-	-	-	-	-
H	0.5	VT/D-BU	2562	II	-	Power Take Off Relay Coil Control	H	-	-	-	-	-
J	0.5	WH/L-GN	6142	II	-	Power Take Off Engine Shutdown Signal	J	0.75	BN/WH	6085	III	-
K	0.75	RD/VT	2640	I	-	Battery Positive Voltage	K	-	-	-	-	-
L-M	-	-	-	-	-	Not Occupied	L-M	-	-	-	-	-

N	0.5	D-BU/GY	6089	II	-	Power Take Off Remote Switch Set Signal (1)	N	-	-	-	-	-
R	0.5	VT/WH	239	II	-	Run/Crank Ignition 1 Voltage	R	-	-	-	-	-

X201 Steering Column Harness to Instrument Panel Harness (except E29)





Connector Part Information

Harness Type:

OEM Connector: 13898441

Service Connector: 19301820

Description: 42 F 1.2, 2.8 Series (GY)

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13898445

Service Connector: 13586232

Description: 42-Way M 0.64, 2.8 Series (GY)

Terminal Part Information

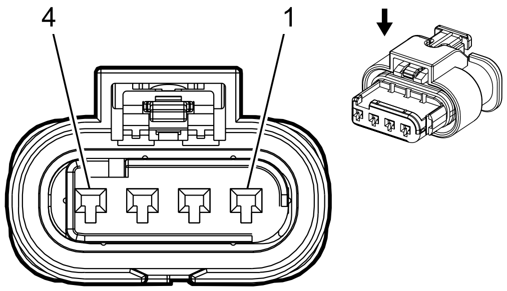
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-5 (PU)	J-38125-11A	7114-4110-02	9	E	C

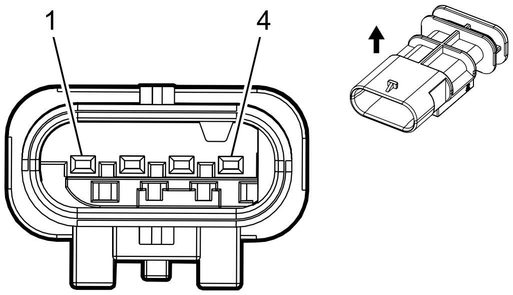
X201 Steering Column Harness to Instrument Panel Harness (except E29)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1-3	-	-	-	-	-	Not Occupied	1-3	-	-	-	-	-
4	0.5	RD/D-BU	540	I	-	Battery Positive Voltage	4	0.5	RD/D-BU	540	I	-
5	0.5		391	I	-	Rear Window Wiper Switch Signal	5					
6-8	-	-	-	-	-	Not Occupied	6-8	-	-	-	-	-
9	0.5	L-GN/BN	2087	I	-	Combined Vehicle Inertial Sensor Supply Voltage	9	0.35	L-GN/BN	2087	I	-
10	0.5	D-BU/YE	6105	I	-	High Speed GMLAN Serial Data (+) (2)	10	0.5	D-BU/YE	6105	I	-
11	0.5	D-BU/YE	6105	I	-	High Speed GMLAN Serial Data (+) (2)	11	0.5	D-BU/YE	6105	I	-
12-15	-	-	-	-	-	Not Occupied	12-15	-	-	-	-	-
16	0.5	L-GN/WH	111	I	-	Hazard Switch Signal	16	0.35	L-GN/WH	111	I	-
17	0.5	YE/WH	816	I	-	Brake Transmission Shift Interlock Solenoid Control	17	0.5	YE/WH	816	I	-
18-19	-	-	-	-	-	Not Occupied	18-19	-	-	-	-	-

18-19	-	-	-	-	-	Not Occupied	18-19	-	-	-	-	-
20	0.5	BK	1050	I	-	Ground	20	0.5	BK	1050	II	-
21-24	-	-	-	-	-	Not Occupied	21-24	-	-	-	-	-
25	0.5	RD/YE	3040	I	-	Battery Positive Voltage	25	0.35	RD/YE	3040	I	-
26-29	-	-	-	-	-	Not Occupied	26-29	-	-	-	-	-
30	0.5	OG	7527	I	-	Linear Interconnect Network Bus 5	30	0.5	L-GN/WH	7527	I	-
31	0.5	WH	6106	I	-	High Speed GMLAN Serial Data (-) (2)	31	0.5	WH	6106	I	-
32	0.5	WH	6106	I	-	High Speed GMLAN Serial Data (-) (2)	32	0.5	WH	6106	I	-
33	0.5	L-GN/BK	3894	I	-	Local Interconnect Network Bus 12	33	0.5	L-GN/BK	3894	I	-
34-37	-	-	-	-	-	Not Occupied	34-37	-	-	-	-	-
38	0.5	BN	6136	I	-	Supply Voltage	38	0.35	BN	6136	I	-
39-40	-	-	-	-	-	Not Occupied	39-40	-	-	-	-	-
41	0.5	VT/WH	1139	I	-	Run/Crank Ignition 1 Voltage	41	0.5	VT/WH	1139	II	-
42	0.5	BK/WH	1851	I	-	Signal Ground	42	0.5	BK/WH	1851	II	-

X205 Instrument Panel Harness to Passenger Air Bag Jumper Harness





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13854531

Service Connector: 13586137

Description: 4-Way F 1.2 Series, Sealed (YE)

Connector Part Information

Harness Type: Passenger Air Bag Jumper

OEM Connector: 13854529

Service Connector: 19300591

Description: 4-Way M 1.2 Series, Sealed (YE)

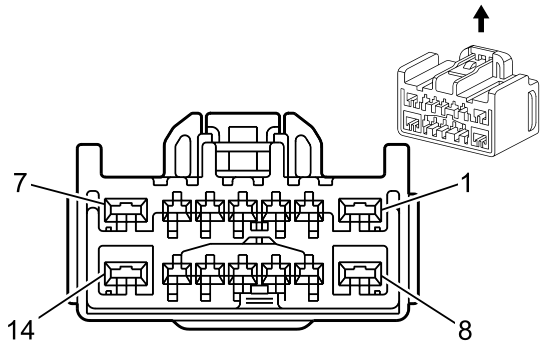
Terminal Part Information

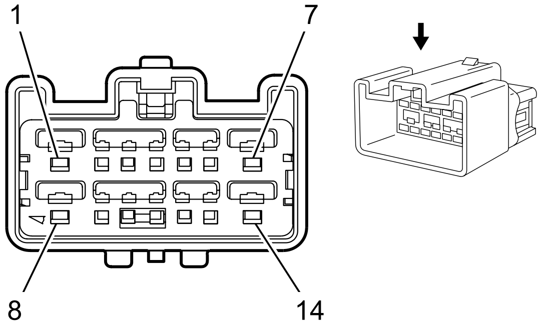
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-16 (L-GN)	J-38125-22	Not Available	Not Available	Not Available	Not Available
II	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

X205 Instrument Panel Harness to Passenger Air Bag Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	YE/OG	3025	I	-	Passenger IP Module Stage 1 High Control	1	0.35	YE/OG	3025	II	-
2	0.35	OG/WH	3024	I	-	Passenger IP Module Stage 1 Low Control	2	0.35	OG/WH	3024	II	-

X215 HVAC Harness to Instrument Panel Harness





Connector Part Information

Harness Type: HVAC

OEM Connector: 10847017

Service Connector: 88956524

Description: 14-Way F Hybrid Series (L-GY)

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 10846900

Service Connector: Not Available

Description: 14-Way M Hybrid Series (L-GY)

Terminal Part Information

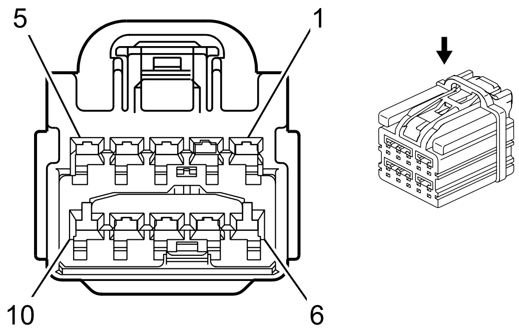
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-3 (GY)	J-38125-553	7114-4100-08	9	E	C

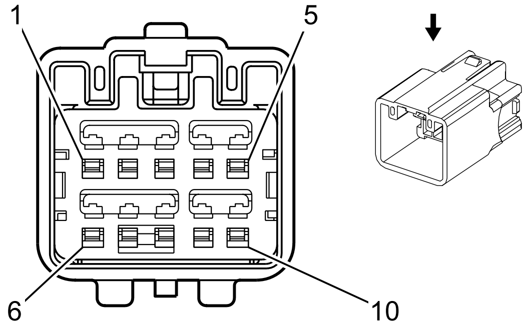
X215 HVAC Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	-	-	-	-	-	Not Occupied	1	-	-	-	-	-
2	0.35	L-GN	5060	I	-	Low Speed GMLAN Serial Data	2	0.35	L-GN	5060	II	-
3	0.35	D-GN/YE	7531	I	-	Linear Interconnect Network Bus 9	3	0.35	L-GN/YE	7531	II	-
4	0.5	RD/VT	3340	I	-	Battery Positive Voltage	4	0.5	RD/VT	3340	II	-
5	0.5	VT/GY	539	I	-	Run/Crank Ignition 1 Voltage	5	0.5	VT/GY	539	II	-
6-8	-	-	-	-	-	Not Occupied	6-8	-	-	-	-	-
9	0.35	BK/WH	1851	I	-	Signal Ground	9	0.5 0.35	BK/WH BK/WH	1851 1851	II	-
10	0.35	BK/YE	1791	I	-	Air Temperature Door Control Low Reference	10	0.35	BK/YE	1791	II	-
11	0.35	D-BU/WH	734	I	-	Inside Air Temperature Sensor Signal	11	0.35	D-BU/WH	734	II	-
12	0.35	GY	590	I	-	Solar Sensor Driver Signal	12	0.35	GY	590	II	-
13	0.35	YE/VT	1783	I	-	Twilight Sentinel Delay	13	0.35	YE/VT	1783	II	-

13	0.35	YE/VT	1783	I	-	Twilight Sentinel Delay Signal	13	0.35	YE/VT	1783	II	-
14	-	-	-	-	-	Not Occupied	14	-	-	-	-	-

X216 Body Harness to HVAC Harness





Connector Part Information

Harness Type: Body

OEM Connector: 10847018

Service Connector: 22708788

Description: 10-Way F Kaizen YESC Series (L-GY)

Connector Part Information

Harness Type: HVAC

OEM Connector: 10846817

Service Connector: 88988272

Description: 10-Way M Kaizen YESC Series (L-GY)

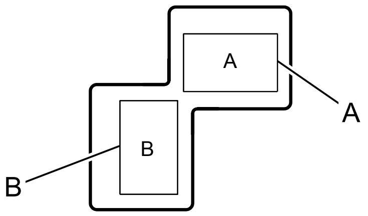
Terminal Part Information

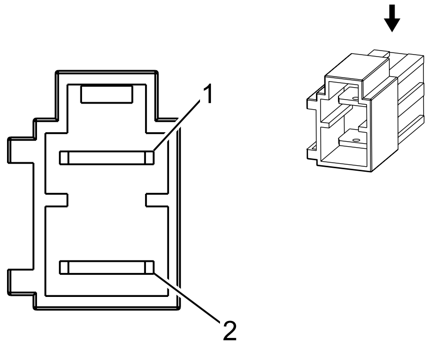
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X216 Body Harness to HVAC Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1-3	-	-	-	-	-	Not Occupied	1-3	-	-	-	-	-
4	0.35	BN/VT	193	I	-	Rear Defog Relay Control	4	0.35	BN/VT	193	I	-
5	0.5	D-BU/BN	7573	I	-	Electric Variable Displacement Supply	5	0.5	L-BU/BN	7573	I	-
6	0.5	D-BU/YE	7574	I	-	Electric Variable Displacement Control	6	0.5	D-BU/YE	7574	I	-
7-10	-	-	-	-	-	Not Occupied	7-10	-	-	-	-	-

X217 Body Harness to HVAC Harness





Connector Part Information

Harness Type: Body

OEM Connector: 10721337

Service Connector: 88953301

Description: 2-Way F 56 Series (BK)

Connector Part Information

Harness Type: HVAC

OEM Connector: 10722288

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way M 375 Series (BK)

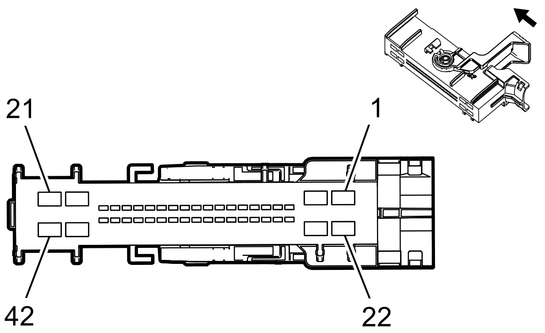
Terminal Part Information

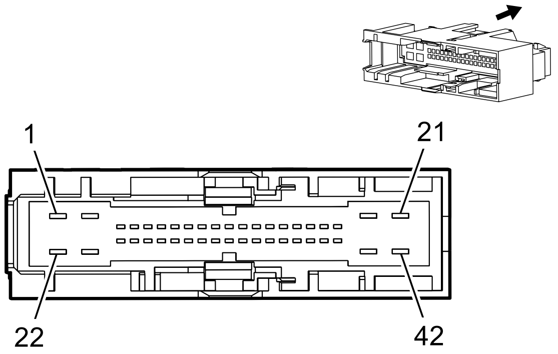
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-22 (RD)	J-38125-11A	7116-3250	10	G	3
II	Not Available	J-35616-22 (RD)	J-38125-11A	7116-3250	10	E	2
III	Not Available	J-35616-22 (RD)	J-38125-11A	7116-3250	10	Not Available	Not Available
IV	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X217 Body Harness to HVAC Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	4	RD/VT	542	I	-	Battery Positive Voltage	1	4	RD/VT	542	IV	-
2	10	RD/GY	642	II	-	Battery Positive Voltage	2	10	RD/GY	642	IV	-

X225 Body Harness to Instrument Panel Harness





Connector Part Information

Harness Type: Body

OEM Connector: 13898441

Service Connector: 19301820

Description: 42-Way F 1.2, 2.8 Series (GY)

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13898444

Service Connector: No SDC/FSU

Description: 42-Way M 0.64, 2.8 Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-11A	7116-4111-02	9	E	A
II	Pending	J-35616-22 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

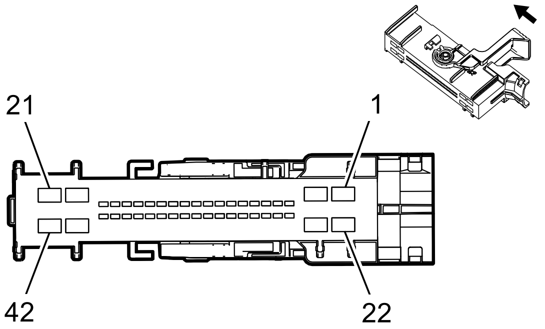
X225 Body Harness to Instrument Panel Harness

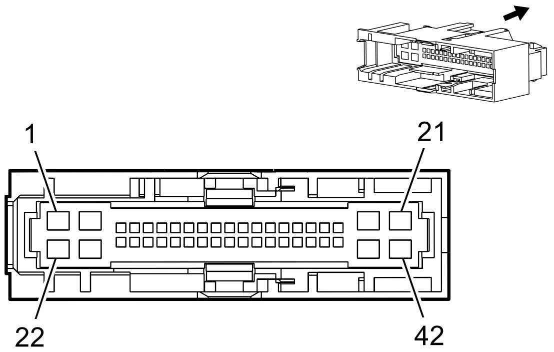
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	YE/GY	1956	I	-	Left Front Tweeter Speaker (-)	1	0.75 0.75	YE/GY BK	1956 2550	III	-
2	1.5	BK	1850	III	-	Ground	2	0.75	BK	1850	III	-
3	-	-	-	-	-	Not Occupied	3	-	-	-	-	-
4	0.5	WH/BN	6815	II	-	Inadvertent Power Control	4	0.5	D-BU/YE	6105	III	-
5	0.35	GY/WH	3272	II	-	Remote Function Actuator Supply Voltage	5	0.35	GY/WH	3272	III	-
6	0.35	D-BU/WH	3275	II	-	Remote Function Actuator Receive Signal	6	0.35	D-BU/WH	3275	III	-
7	0.35	L-GN/BN	507	II	-	Wait To Start Indicator Control	7	0.35 0.35	BK/L-GN L-GN/BN	552 507	III	-
8	0.5 0.35	GY/VT GY/VT	3998 3998	II	-	MOST Serial Data (+) MOST Serial Data (+)	8	0.5	GY/VT	3998	III	-
11	0.5	WH/L-GN	3997	II	-	MOST Serial Data (-)	11	0.5	WH/L-GN	3997	III	-

11	0.5 0.35	WH/L-GN WH/GN	3997 3997	II	-	MOST Serial Data (-) MOST Serial Data (-)	11	0.5	WH/L-GN	3997	III	-
12	0.5	BN/D-BU	118	II	-	Left Front Speaker Signal (-) (1)	12	0.5	BN/D-BU	118	III	-
13	-	-	-	-	-	Not Occupied	13	-	-	-	-	-
14	0.5	L-GN	199	II	-	Left Rear Speaker (+)	14	0.5	L-GN	199	III	-
17	0.35	D-BU/GY	636	III	-	Outside Ambient Air Temperature Sensor Signal	17	0.35	D-BU/GY	636	III	-
18	-	-	-	-	-	Not Occupied	18	-	-	-	-	-
19	0.35	BK/D-BU	61	III	-	Outside Ambient Temperature Sensor Low Reference	19	0.35	BK/D-BU	61	III	-
20	0.5 0.75	BN/D-BU BN/D-BU	118 118	III	-	Left Front Speaker Signal (-) (1) Left Front Speaker Signal (-) (1)	20	0.75	BN/D-BU	118	III	-
21	-	-	-	-	-	Not Occupied	21	-	-	-	-	-
22	0.75	YE/D-BU	1856	I	-	Left Front Tweeter Speaker (+)	22	0.75 0.35	YE/D-BU BN/YE	1856 780	III	-
23	-	-	-	-	-	Not Occupied	23	-	-	-	-	-
24	0.35	L-GN/WH	3438	II	-	Exhaust Brake Switch Signal	24	0.35	L-GN/WH	3438	III	-
25	0.35	BN/WH	419	II	-	Check Engine Indicator Control	25	0.35	BN/WH	419	III	-
26	0.35	YE/L-GN	3274	II	-	Remote Function Actuator Transmit Signal	26	0.35	YE/L-GN	3274	III	-
27	0.35	GY	3273	II	-	Remote Function Actuator Return	27	0.35	GY	3273	III	-
28	0.5	BK	1850	II	-	Ground	28	0.5	BK	1850	III	-
29	0.5 0.35	WH/L-GN WH/GN	3997 3997	II	-	MOST Serial Data (-) MOST Serial Data (-)	29	0.5	WH/L-GN	3997	III	-
30	0.35	L-GN/WH	488	II	-	Power Take Off Enable Switch	30	0.35	L-GN/WH	488	III	-
31	0.35	BN/L-GN	4311	II	-	Power Take Off Enable In Cab Switch Normally Closed Signal	31	0.35	BN/L-GN	4311	III	-
32	0.5 0.35	GY/VT GY/VT	3998 3998	II	-	MOST Serial Data (+) MOST Serial Data (+)	32	0.5	GY/VT	3998	III	-
33	0.5	D-BU	201	II	-	Left Front Speaker (+) (1)	33	0.5	D-BU	201	III	-

34	0.5	D-BU/YE	68	II	-	Low Coolant Level Indicator Control	34	0.5 0.5	WH/D-BU D-BU/YE	3691 68	III	-
35	0.5	L-GN/BK	116	II	-	Left Rear Speaker Signal (-)	35	0.5	L-GN/BK	116	III	-
36	0.5	L-GN/YE	2081	II	-	Exhaust Brake Switch Control	36	0.5 0.5	D-BU/YE L-GN/YE	6105 2081	III	-
37	-	-	-	-	-	Not Occupied	37	-	-	-	-	-
38	0.35	L-GN/BN	2087	II	-	Combined Vehicle Inertial Sensor Supply Voltage	38	0.35	L-GN/BN	2087	III	-
39	-	-	-	-	-	Not Occupied	39	-	-	-	-	-
40	0.5	L-GN/GY	6135	II	-	Linear Interconnect Network Bus 4	40	0.35 0.5	GY/RD L-GN/GY	598 6135	III	-
41	0.5 0.75	D-BU D-BU	201 201	III	-	Left Front Speaker (+) (1) Left Front Speaker (+) (1)	41	0.75	D-BU	201	III	-
42	0.35	D-BU/YE	6844	III	-	ABS/TCS Hill Descent Control Switch Signal	42	0.35 2.5	D-BU/YE BK	6844 1050	III	-

X275 Instrument Panel Harness to Body Harness





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13898440

Service Connector: No SDC/FSU

Description: 42-Way F 1.2, 2.8 Series (YE)

Connector Part Information

Harness Type: Body

OEM Connector: 13898442

Service Connector: No SDC/FSU

Description: 42-Way M 0.64, 2.8 Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	Pending	J-35616-22 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	Pending	J-35616-16 (L-GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
IV	Pending	J-35616-42 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

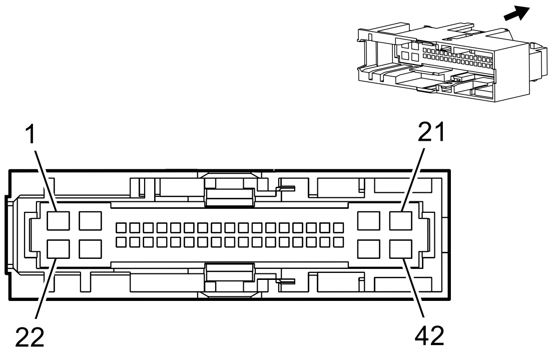
X275 Instrument Panel Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	VT/BN	1952	I	-	Right Front Tweeter Speaker (-)	1	0.75	VT/BN	1952	I	-
2	-	-	-	-	-	Not Occupied	2	-	-	-	-	-
3	0.35	D-BU	2060	II	-	Auxiliary Detection Signal	3	0.35	D-BU	2060	I	-
4	0.5	BARE	5842	II	-	Auxiliary Audio Screen (2)	4	0.5	BARE	5842	I	-
5	0.35	VT	5843	II	-	Auxiliary Audio Common Signal	5	0.35	VT	5843	I	-
6	0.35	GY	5839	II	-	Left Auxiliary Audio Signal (2)	6	0.35	GY	5839	I	-
7	0.35	L-GN	5841	II	-	Right Auxiliary Audio Signal (2)	7	0.35	L-GN	5841	I	-
8	0.35	GY/YE	6972	II	-	Camera Signal #2 +	8	0.35	GY/YE	6972	I	-
9	0.35	WH/D-BU	6973	II	-	Camera Signal #2	9	0.35	WH/D-BU	6973	I	-

10	-	-	-	-	-	Not Occupied	10	-	-	-	-	-
11	0.35	WH/VT	3999	II	-	MOST Control	11	0.35	WH/VT	3999	I	-
12	0.5	YE/BK	117	II	-	Right Front Speaker Signal (-) (1)	12	0.5	YE/BK	117	I	-
13	0.5	BN/WH	1429	II	-	Standing Lamp Relay Control	13	0.5	BN/WH	1429	I	-
14	0.5	WH	46	II	-	Right Rear Speaker (+)	14	0.5	WH	46	I	-
15	0.35	YE/OG	3025	III	-	Passenger IP Module Stage 1 High Control	15	0.35	YE/OG	3025	I	-
16	0.35	OG/WH	3024	III	-	Passenger IP Module Stage 1 Low Control	16	0.35	OG/WH	3024	I	-
17	0.35	GY/OG	3027	III	-	Passenger IP Module Stage 2 High Control	17	0.35	GY/OG	3027	I	-
18	0.35	OG/VT	3026	III	-	Passenger IP Module Stage 2 Low Control	18	0.35	OG/VT	3026	I	-
19	-	-	-	-	-	Not Occupied	19	-	-	-	-	-
20	0.75	YE/BK	117	I	-	Right Front Speaker Signal (-) (1)	20	0.75 0.5	YE/BK YE/BK	117 117	I	-
21	-	-	-	-	-	Not Occupied	21	-	-	-	-	-
22	0.75	BN/L-GN	1852	I	-	Right Front Tweeter Speaker (+)	22	0.75	BN/L-GN	1852	I	-
23	0.5 0.35	WH/D-BU WH/D-BU	5986 5986	I	-	Serial Data Communication Enable Serial Data Communication Enable	23	0.5	WH/D-BU	5986	I	-
24	-	-	-	-	-	Not Occupied	24	-	-	-	-	-
25	0.5	L-GN	5060	II	-	Low Speed GMLAN Serial Data	25	0.5	L-GN	5060	I	-
26-28	-	-	-	-	-	Not Occupied	26-28	-	-	-	-	-
29	0.35	BARE	6974	II	-	Camera Drain Wire	29	0.35	BARE	6974	I	-
30	0.35	YE	6812	II	-	Out of Park Signal	30	0.35	YE	6812	I	-
31-32	-	-	-	-	-	Not Occupied	31-32	-	-	-	-	-
33	0.5	YE	200	II	-	Right Front Speaker (+) (1)	33	0.5	YE	200	I	-
34	-	-	-	-	-	Not Occupied	34	-	-	-	-	-
35	0.5	D-BU/BK	115	II	-	Right Rear Speaker Signal (-)	35	0.5	D-BU/BK	115	I	-
36	0.35	D-BU/OG	7328	II	-	Passenger IP Module Disable Switch Return	36	0.35	D-BU/OG	7328	I	-

37	0.35	VT/OG	371	II	-	Passenger IP Module Disable Switch Signal	37	0.35	VT/OG	371	I	-
38-40	-	-	-	-	-	Not Occupied	38-40	-	-	-	-	-
41	0.75	YE	200	I	-	Right Front Speaker (+) (1)	41	0.5 0.75	YE YE	200 200	I	-
42	-	-	-	-	-	Not Occupied	42	-	-	-	-	-

X275 Instrument Panel Harness to Body Harness



Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 33119942

Service Connector: Not Available

Description:

Connector Part Information

Harness Type: Body

OEM Connector: 13898442

Service Connector: 13586235

Description: 42-Way M 0.64, 2.8 Series (YE)

Harness Type: Body

OEM Connector: 13898442

Service Connector: No SDC/FSU

Description: 42-Way M 0.64, 2.8 Series (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-22 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	Not Available	J-35616-16 (L-GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
IV	Not Available	J-35616-42 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

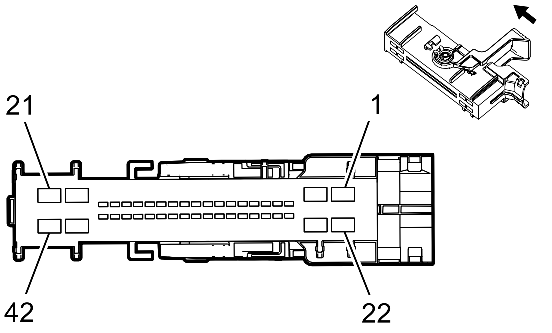
X275 Instrument Panel Harness to Body Harness

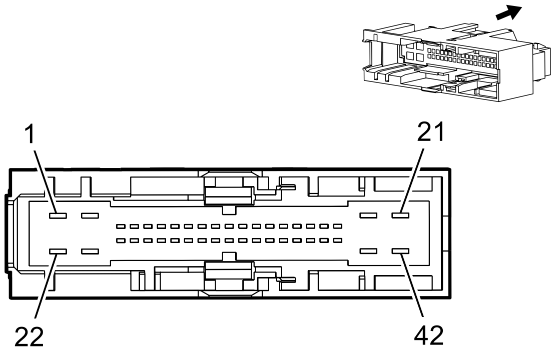
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	VT/BN	1952	I	-	Right Front Tweeter Speaker (-)	1	0.75	VT/BN	1952	I	-
2	-	-	-	-	-	Not Occupied	2	-	-	-	-	-
3	0.35	D-BU	2060	II	-	Auxiliary Detection Signal	3	0.5 0.35	D-BU D-BU	2060 2060	I	-
4	0.5	Bare	5842	II	-	Auxiliary Audio Screen (2)	4	0.5	Bare	5842	I	-
5	0.35	VT	5843	II	-	Auxiliary Audio Common Signal	5	0.5 0.35	VT VT	5843 5843	I	-
6	0.35	GY	5839	II	-	Left Auxiliary Audio Signal (2)	6	0.5 0.35	GY GY	5839 5839	I	-
7	0.35	L-GN	5841	II	-	Right Auxiliary Audio	7	0.5	L-GN	5841	I	-

7	0.35	L-GN	5841	II	-	Right Auxiliary Audio Signal (2)	7	0.5 0.35	L-GN L-GN	5841 5841	I	-
8	0.35	GY/YE	6972	II	-	Camera Signal #2 +	8	0.35	GY/YE	6972	I	-
9	0.35	WH/D-BU	6973	II	-	Camera Signal #2	9	0.35	WH/D-BU	6973	I	-
10	-	-	-	-	-	Not Occupied	10	-	-	-	-	-
11	0.35	WH/VT	3999	II	-	MOST Control	11	0.35	WH/VT	3999	I	-
12	0.5	YE/BK	117	II	-	Right Front Speaker Signal (-) (1)	12	0.5	YE/BK	117	I	-
13	0.5	BN/WH	1429	II	-	Standing Lamp Relay Control	13	0.5	BN/WH	1429	I	-
14	0.5	WH	46	II	-	Right Rear Speaker (+)	14	0.5	WH	46	I	-
15	0.35	YE/OG	3025	III	-	Passenger IP Module Stage 1 High Control	15	0.35	YE/OG	3025	I	-
16	0.35	OG/WH	3024	III	-	Passenger IP Module Stage 1 Low Control	16	0.35	OG/WH	3024	I	-
17	0.35	GY/OG	3027	III	-	Passenger IP Module Stage 2 High Control	17	0.35	GY/OG	3027	I	-
18	0.35	OG/VT	3026	III	-	Passenger IP Module Stage 2 Low Control	18	0.35	OG/VT	3026	I	-
19	-	-	-	-	-	Not Occupied	19	-	-	-	-	-
20	0.75	YE/BK	117	I	-	Right Front Speaker Signal (-) (1)	20	0.75 0.5	YE/BK YE/BK	117 117	I	-
21	1.5	VT/YE	243	I	-	Accessory Voltage	21	1.5	VT/YE	243	I	-
22	0.75	BN/L-GN	1852	I	-	Right Front Tweeter Speaker (+)	22	0.75	BN/L-GN	1852	I	-
23	0.35 0.5	WH/D-BU WH/D-BU	5986 5986	I	-	Serial Data Communication Enable Serial Data Communication Enable	23	0.5	WH/D-BU	5986	I	-
24	-	-	-	-	-	Not Occupied	24	-	-	-	-	-
25	0.5	L-GN	5060	II	-	Low Speed GMLAN Serial Data	25	0.5	L-GN	5060	I	-
26-28	-	-	-	-	-	Not Occupied	26-28	-	-	-	-	-
29	0.35	Bare	6974	II	-	Camera Drain Wire	29	0.35	Bare	6974	I	-
30	0.35	YE	6812	II	-	Out of Park Signal	30	0.35	YE	6812	I	-
31-32	-	-	-	-	-	Not Occupied	31-32	-	-	-	-	-
33	0.5	YE	200	II	-	Right Front Speaker (+) (1)	33	0.5	YE	200	I	-
34	-	-	-	-	-	Not Occupied	34	-	-	-	-	-

34	-	-	-	-	-	Not Occupied	34	-	-	-	-	-
35	0.5	D-BU/BK	115	II	-	Right Rear Speaker Signal (-)	35	0.5	D-BU/BK	115	I	-
36	0.35	D-BU/OG	7328	II	-	Passenger IP Module Disable Switch Return	36	0.35	D-BU/OG	7328	I	-
37	0.35	VT/OG	371	II	-	Passenger IP Module Disable Switch Signal	37	0.35	VT/OG	371	I	-
38-40	-	-	-	-	-	Not Occupied	38-40	-	-	-	-	-
41	0.75	YE	200	I	-	Right Front Speaker (+) (1)	41	0.75 0.5	YE YE	200 200	I	-

X300 Instrument Panel Harness to Center Console Harness





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 15509841

Service Connector: Not Available

Description: 42-Way F 1.2, 2.8 Series (GY)

Connector Part Information

Harness Type: Center Console

OEM Connector: 13898445

Service Connector: 13586232

Description: 42-Way M 0.64, 2.8 Series (GY)

Terminal Part Information

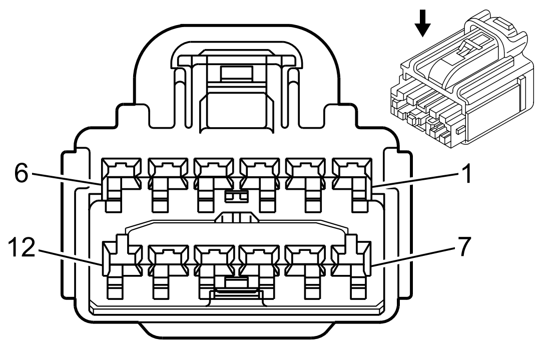
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-22 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	Not Available	J-35616-5 (PU)	J-38125-11A	7114-4112-02	9	Not Available	Not Available
IV	Not Available	J-35616-5 (PU)	J-38125-11A	7114-4112-02	9	C	D

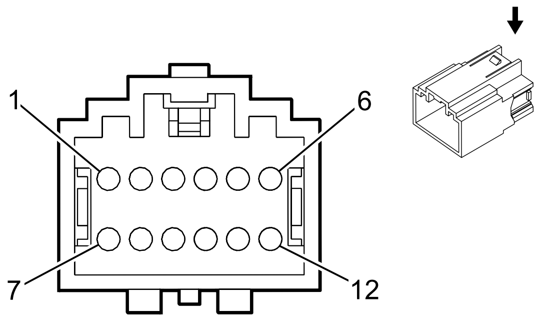
X300 Instrument Panel Harness to Center Console Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5 1.5	VT/YE RD/D-BU	243 840	I	-	Accessory Voltage Battery Positive Voltage	1	1.5 1.5	RD/D-BU VT/YE	840 243	III	-
2	1.5	VT/YE	143	I	-	Accessory Voltage	2	1.5	VT/YE	143	III	-
3	-	-	-	-	-	Not Occupied	3	-	-	-	-	-
4	0.35	D-BU	2060	II	-	Auxiliary Detection Signal	4	0.35	D-BU	2060	I	-
5	0.35	BK	2550	II	-	Ground	5	0.35	BK	2550	I	-
6-12	-	-	-	-	-	Not Occupied	6-12	-	-	-	-	-
13	0.5	Bare	5842	II	-	Auxiliary Audio Screen (2)	13	0.5	Bare	5842	I	-
14	0.35	VT	5843	II	-	Auxiliary Audio Common Signal	14	0.35	VT	5843	I	-
15	0.5	Bare	2057	II	-	Auxiliary Video Low Signal	15	0.5	Bare	2057	I	-

16	0.35	L-GN/WH	3355	II	-	Left Rear Seat Audio Headphone Signal	16	0.35	L-GN/WH	3355	I	-
17	0.5	Bare	3354	II	-	Rear Seat Audio Headphone Drain Wire	17	0.5	Bare	3354	I	-
18	0.35	YE	2059	II	-	Left Auxiliary Audio Signal (1)	18	0.35	YE	2059	I	-
19	0.5	Bare	5345	II	-	Auxiliary Audio Drain Wire (1)	19	0.5	Bare	5345	I	-
20-22	-	-	-	-	-	Not Occupied	20-22	-	-	-	-	-
23	2.5 1.5	BK BK	1050 1050	I	-	Ground Ground	23	1.5 2.5	BK BK	1050 1050	III	-
24	0.75	RD/VT	340	I	-	Battery Positive Voltage	24	0.75	RD/VT	340	I	-
25-27	-	-	-	-	-	Not Occupied	25-27	-	-	-	-	-
28	0.5	WH/BN	6815	II	-	Inadvertent Power Control	28	0.5	WH/BN	6815	I	-
29-33	-	-	-	-	-	Not Occupied	29-33	-	-	-	-	-
34	0.35	L-GN	5841	II	-	Right Auxiliary Audio Signal (2)	34	0.35	L-GN	5841	I	-
35	0.35	GY	5839	II	-	Left Auxiliary Audio Signal (2)	35	0.35	GY	5839	I	-
36	0.35	YE	2056	II	-	Auxiliary Video High Signal	36	0.35	YE	2056	I	-
37	0.35	BN/GY	3357	II	-	Right Rear Seat Audio Headphone Signal	37	0.35	BN/GY	3357	I	-
38	0.35	D-BU/VT	3356	II	-	Rear Seat Audio Headphone Common Signal	38	0.35	D-BU/VT	3356	I	-
39	0.35	WH	2058	II	-	Right Auxiliary Audio Signal (1)	39	0.35	WH	2058	I	-
40	0.35	BN	3374	II	-	Auxiliary Audio Common Signal (2)	40	0.35	BN	3374	I	-
41	-	-	-	-	-	Not Occupied	41	-	-	-	-	-
42	0.75	RD/VT	340	I	-	Battery Positive Voltage	42	0.75	RD/VT	340	III	-

X305 Instrument Panel Harness to Headliner Harness





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 13507762

Service Connector: Not Available

Description: 12-Way F YESC Kaizen Series (L-GY)

Connector Part Information

Harness Type: Headliner

OEM Connector: 13507705

Service Connector: 88988266

Description: 12-Way M 1.5 Series (L-GY)

Terminal Part Information

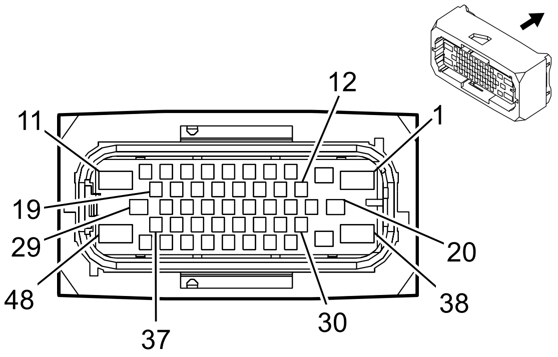
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-3 (GY)	J-38125-553	7114-4100-08	9	E	C
III	Not Available	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

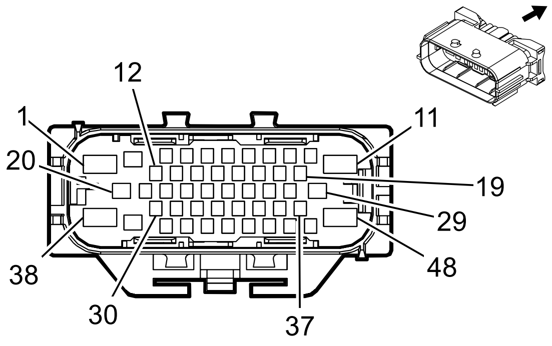
X305 Instrument Panel Harness to Headliner Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5 0.35	BK BK	1050 2550	I	-	Ground Ground	1	0.5 0.75 0.5	BK BK BK/WH	2550 1050 2550	II	-
2	0.75	WH/VT	1430	I	-	Exterior Courtesy Lamp Supply Voltage	2	0.75	WH/VT	1430	III	-
3	0.35 0.35	BK/BN GY/L-GN	654 328	I	-	Cellular Telephone Microphone Low Reference Interior Lamp Defeat Switch Signal	3	0.35 0.35	BK/BN GY/L-GN	654 328	II	-
4	0.35	D-BU	655	I	-	Cellular Telephone Microphone Signal	4	0.35	D-BU	655	II	-
5	0.5	RD/L-GN	1540	I	-	Battery Positive Voltage	5	0.5	RD/L-GN	1540	II	-
6-8	-	-	-	-	-	Not Occupied	6-8	-	-	-	-	-
9	0.5	VT/L-GN	7558	I	-	LED Ambient Lighting Control 2	9	0.35	VT/L-GN	7558	II	-
10	0.5 0.35	YE L-GN/YE	6817 7066	I	-	LED Backlight Dimming Control	10	0.5 0.35	YE L-GN/YE	6817 7066	II	-

	0.35	L-GN/YE	7066			Control Entertainment Remote Enable Signal		0.35	L-GN/YE	7066		
11-12	-	-	-	-	-	Not Occupied	11-12	-	-	-	-	-

X310 Driver Seat Cushion Harness to Body Harness





Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 15509611

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (YE)

Harness Type: Driver Seat Cushion

OEM Connector: 15509590

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (YE)

Connector Part Information

Harness Type: Body

OEM Connector: 15507907

Service Connector: Not Available

Description: 48-Way M 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
III	13327155	J-35616-35 (VT)	J-38125-36	4-964273-1	15	C	5
IV	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	C	4
V	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	E	1
VI	13578882	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VII	13327191	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

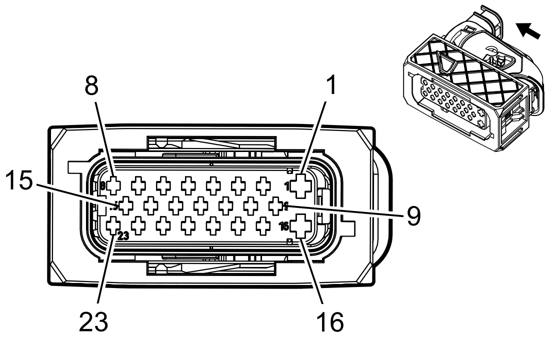
X310 Driver Seat Cushion Harness to Body Harness

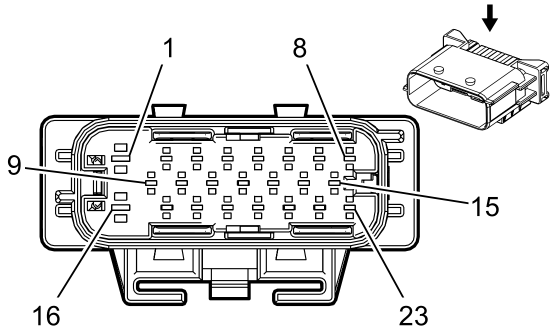
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	-	-	-	-	-	Not Occupied	1	-	-	-	-	-
2	2.5	RD/YE	5040	III	-	Battery Positive Voltage	2	2.5	RD/YE	5040	IV	-
3	1.5	YE	5129	II	-	Adjustable Pedal Actuator Rearward Control	3	1.5	YE	5129	VII	-
4	1.5	L-GN/VT	5130	II	-	Adjustable Pedal Actuator Forward Control	4	1.5	L-GN/VT	5130	VII	-
5	0.35	OG/L-GN	5055	II	-	Driver Seat Position	5	0.35	OG/L-GN	5055	VI	-

5	0.35	OG/L-GN	5055	II	-	Driver Seat Position Switch Signal	5	0.35	OG/L-GN	5055	VI	-
6	0.35	OG/BN	238	II	-	Driver Seat Belt Switch Signal	6	0.35	OG/BN	238	VI	-
7	0.35	BK/OG	1363	II	-	Driver Seat Belt Switch Low Reference	7	0.35	BK/OG	1363	VI	-
8	-	-	-	-	-	Not Occupied	8	-	-	-	-	-
9	0.35	L-GN/GY	5286	II	-	Adjustable Pedal Switch Forward Signal	9	0.35	L-GN/GY	5286	VI	-
10	0.35	WH/GY	5285	II	-	Adjustable Pedal Switch Rearward Signal	10	0.35	WH/GY	5285	VI	-
11	4 2.5	BK BK	1150 1150	II	-	Ground Ground	11	4	BK	1150	II	-
12	-	-	-	-	-	Not Occupied	12	-	-	-	-	-
13	0.5	WH/RD	6207	II	-	Memory Sensor High Reference	13	0.35	WH/RD	6207	VI	-
14	0.35	L-BU	5952	II	-	Adjustable Pedal Position Sensor Brake Signal	14	0.35	D-BU	5952	VI	-
15	0.5	BK/GY	6206	II	-	Memory Sensor Low Reference	15	0.35	BK/GY	6206	VI	-
16	-	-	-	-	-	Not Occupied	16	-	-	-	-	-
17	0.5	L-GN/WH	7530	II	-	Linear Interconnect Network Bus 8	17	0.5	L-GN/WH	7530	V	-
18	-	-	-	-	-	Not Occupied	18	-	-	-	-	-
19	0.35	L-GN/VT	5906	II	-	Driver Seat Vent Motor Control (1)	19	0.35	L-GN/VT	5906	VI	-
20-22	-	-	-	-	-	Not Occupied	20-22	-	-	-	-	-
23	0.75	RD/BN	1140	II	-	Battery Positive Voltage	23	0.5	RD/BN	1140	V	-
24	0.5	L-GN/OG	3069	I	-	Driver Side Impact Module Low Control	24	0.35	L-GN/OG	3069	II	-
25	0.5	YE/OG	3482	I	-	Driver Seat Belt Anchor Pretensioner Low Control	25	0.35	YE/OG	3482	II	-
26	0.5	L-GN	5060	II	-	Low Speed GMLAN Serial Data	26	0.5	L-GN	5060	V	-
27-32	-	-	-	-	-	Not Occupied	27-32	-	-	-	-	-
33	0.5	OG/L-BU	3068	I	-	Driver Side Impact Module High Control	33	0.35	OG/D-BU	3068	II	-
34	0.5	OG/YE	3481	I	-	Driver Seat Belt Anchor Pretensioner High Control	34	0.35	OG/YE	3481	II	-

35	0.35	L-GN/L-BU	614	II	-	Memory Seat Switch Set Signal	35	0.35	D-BU/L-GN	614	VI	-
36	0.75	BN	2432	II	-	Driver Heated Back Element Supply Voltage	36	0.75	BN	2432	V	-
37	0.75	BN/VT	2077	II	-	Driver Heated Seat Element Supply Voltage	37	0.75	BN/VT	2077	V	-
38-39	-	-	-	-	-	Not Occupied	38-39	-	-	-	-	-
40	0.35	BK/L-BU	5978	II	-	Memory Switch Low Reference	40	0.35	BK/D-BU	5978	VI	-
41	0.35	WH	615	II	-	Memory Seat Switch Signal (1)	41	0.35	WH	615	VI	-
42	-	-	-	-	-	Not Occupied	42	-	-	-	-	-
43	0.5	VT	4106	I	-	Center Side Impact Module Low Control	43					
44	0.5	BN/WH	4107	I	-	Center Side Impact Module High Control	44					
45	-	-	-	-	-	Not Occupied	45	-	-	-	-	-
46	0.35	GY	157	II	-	Interior Lamp Control	46					
47	0.75	RD/L-GN	5140	II	-	Battery Positive Voltage	47	0.75	RD/L-GN	5140	V	-
48	-	-	-	-	-	Not Occupied	48	-	-	-	-	-

X314 Center Seat Harness to Body Harness





Connector Part Information

Harness Type: Center Seat

OEM Connector: 13674800

Service Connector: Service by Harness - See Part Catalog

Description: 23-Way F 1.5 DSQ, 2.8 AST Series, Sealed (BK)

Connector Part Information

Harness Type: Body

OEM Connector: 15504576

Service Connector: Not Available

Description: 23-Way M 1.5, 2.8 Series, Sealed (BK)

Terminal Part Information

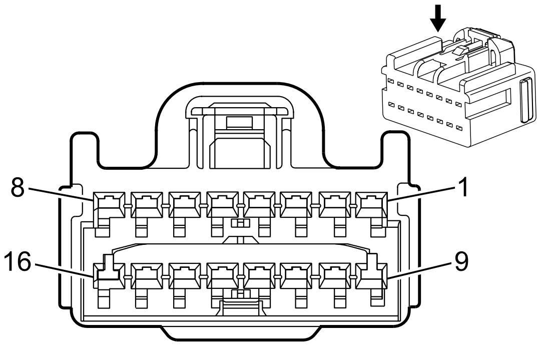
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13327155	J-35616-35 (VT)	J-38125-36	4-964273-1	15	E	1
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
III	13327181	J-35616-14 (GN)	J-38125-560	964274-2	16	E	1
IV	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	C	A
V	13578882	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	E	1

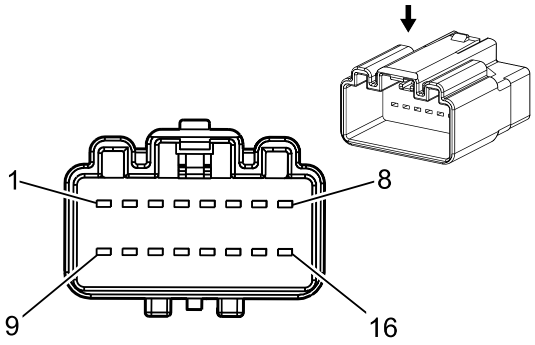
X314 Center Seat Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	RD/L-BU	840	I	-	Battery Positive Voltage	1	1.5	RD/D-BU	840	IV	-
2	-	-	-	-	-	Not Occupied	2	-	-	-	-	-
3	0.35	BK	5842	II	-	Auxiliary Audio Screen (2)	3	0.5	BK	5842	VI	-
4	0.35	GY	5839	II	-	Left Auxiliary Audio Signal (2)	4	0.35	GY	5839	V	-
5-7	-	-	-	-	-	Not Occupied	5-7	-	-	-	-	-
8	0.35	BK	2	II	-	Battery Positive Voltage	8					
9	0.35	BK	2550	II	-	Ground	9	0.75	BK	2550	VI	-
10	-	-	-	-	-	Not Occupied	10	-	-	-	-	-
11	0.35	L-GN	5841	II	-	Right Auxiliary Audio Signal (2)	11	0.35	L-GN	5841	V	-

						Signal (2)						
12	0.35	L-BU	2060	II	-	Auxiliary Detection Signal	12	0.35	D-BU	2060	V	-
13-15	-	-	-	-	-	Not Occupied	13-15	-	-	-	-	-
16	1.5	BK	1250	I	-	Ground	16	1.5	BK	1250	IV	-
17	-	-	-	-	-	Not Occupied	17	-	-	-	-	-
18	0.75	RD/VT	340	III	-	Battery Positive Voltage	18	0.75	RD/VT	340	VI	-
19	0.35	VT	5843	II	-	Auxiliary Audio Common Signal	19	0.35	VT	5843	V	-
20-23	-	-	-	-	-	Not Occupied	20-23	-	-	-	-	-

X315 Headliner Harness to Body Harness





Connector Part Information

Harness Type: Headliner

OEM Connector: 10847013

Service Connector: 89047090

Description: 16-Way F 1.5 Kaizen Series (GN)

Connector Part Information

Harness Type: Body

OEM Connector: 13507433

Service Connector: Not Available

Description: 16-Way M 1.5 Kaizen Series (GN)

Terminal Part Information

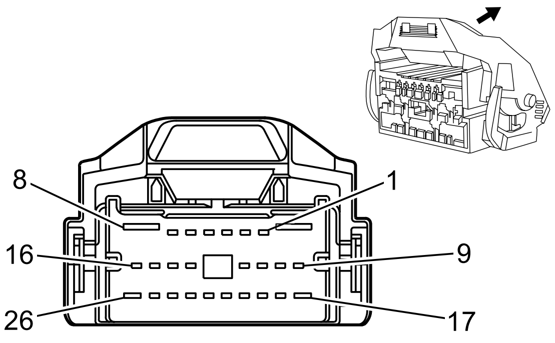
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	J-38125-11A	7116-4100-08	9	E	C
II	Not Available	J-35616-3 (GY)	J-38125-553	7114-4100-08	9	E	C
III	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	Not Available	Not Available

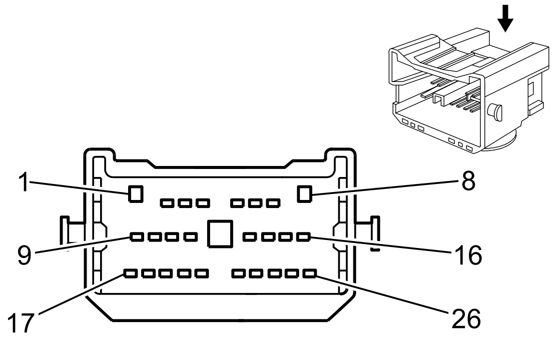
X315 Headliner Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1-2	-	-	-	-	-	Not Occupied	1-2	-	-	-	-	-
3	0.35 0.35	L-GN L-GN/RD	2308 2308	I	-	Passenger Air Bag Off Indicator Control Passenger Air Bag Off Indicator Control	3	0.35	L-GN	2308	II	-
4	0.35	D-BU	2307	I	-	Passenger Air Bag On Indicator Control	4	0.35	D-BU	2307	II	-
5	0.35	VT/WH	5234	I	-	Passenger Seat Belt Indicator	5	0.35	VT/WH	5234	III	-
6	0.5	VT/GY	1054	I	-	Stop Lamp Supply Voltage	6	0.5	VT/GY	1054	II	-
7-9	-	-	-	-	-	Not Occupied	7-9	-	-	-	-	-
10	0.35	L-GN/BK	3008	I	-	Noise Reduction Microphone #1 Return	10	0.35	L-GN/BK	3008	II	-
11	0.5 0.35 0.35	GY L-GN/BN L-GN/WH	157 3005 3005	I	-	Interior Lamp Control Noise Reduction Microphone #1 Signal Noise Reduction	11	0.5 0.35	GY L-GN/BN	157 3005	II	-

						Noise Reduction Microphone #1 Signal						
12	0.5 0.35	WH/BN D-BU/BK	6815 3009	I	-	Inadvertent Power Control Noise Reduction Microphone #2 Return	12	0.5 0.35	WH/BN D-BU/BK	6815 3009	II	-
13	0.35	D-BU/YE	3006	I	-	Noise Reduction Microphone #2 Signal	13	0.35	D-BU/YE	3006	II	-
14	0.35 0.35 0.35	GY/BN GY GY/D-BU	3010 156 156	I	-	Noise Reduction Microphone #3 Return Courtesy Lamp Switch Signal Courtesy Lamp Switch Signal	14	0.35 0.35	GY GY/BN	156 3010	II	-
15	0.35	GY/D-BU	3007	I	-	Noise Reduction Microphone #3 Signal	15	0.35	GY/D-BU	3007	II	-
16	-	-	-	-	-	Not Occupied	16	-	-	-	-	-

X316 Headliner Harness to Overhead Console Harness





Connector Part Information

Harness Type: Headliner

OEM Connector: 15518265

Service Connector: Not Available

Description: 26-Way F 1.5, 2.8, 6.3 Series (BK)

Connector Part Information

Harness Type: Overhead Console

OEM Connector: 13536441

Service Connector: 88952802

Description: 26-Way M Hybrid Series (BK)

Terminal Part Information

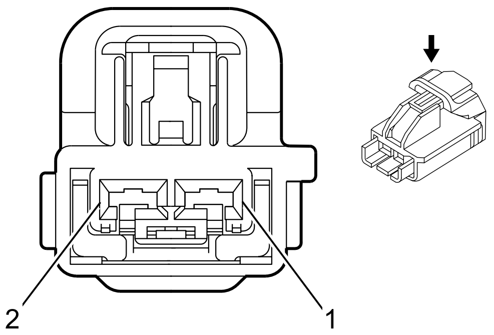
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-2A (GY)	J-38125-11A	7116-4100-08	9	E	C
II	Not Available	J-35616-4A (PU)	J-38125-11A	7116-4110-02	9	E	C
III	Not Available	J-35616-3 (GY)	J-38125-553	7114-4100-08	9	E	C
IV	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
V	Not Available	PENDING	Not Available	Not Available	Not Available	Not Available	Not Available

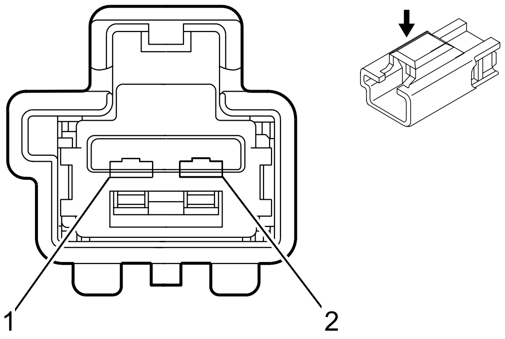
X316 Headliner Harness to Overhead Console Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1-2	-	-	-	-	-	Not Occupied	1-2	-	-	-	-	-
3	0.35	VT/YE	43	I	-	Accessory Voltage	3	0.35	VT/YE	43	III	-
4	0.5	BK	1050	I	-	Ground	4	0.5	BK	1050	III	-
5	0.35	GY/L-GN	328	I	-	Interior Lamp Defeat Switch Signal	5	0.35	GY/L-GN	328	III	-
6	0.35 0.35	GY GY/D-BU	156 156	I	-	Courtesy Lamp Switch Signal Courtesy Lamp Switch Signal	6	0.35	GY	156	III	-
7	0.5	WH/BN	6815	I	-	Inadvertent Power Control	7	0.5	WH/BN	6815	V	-
8	-	-	-	-	-	Not Occupied	8	-	-	-	-	-
9	0.35	VT/L-GN	7558	I	-	LED Ambient Lighting Control 2	9	0.35	VT/L-GN	7558	III	-

10	0.5	YE	6817	I	-	LED Backlight Dimming Control	10	0.5	YE	6817	III	-
11	0.35 0.35	VT/WH VT/BK	1139 1139	I	-	Run/Crank Ignition 1 Voltage Run/Crank Ignition 1 Voltage	11	0.35	VT/WH	1139	III	-
12	0.35	VT/WH	5234	I	-	Passenger Seat Belt Indicator	12	0.35	VT/WH	5234	III	-
13	0.35	D-BU	2307	I	-	Passenger Air Bag On Indicator Control	13	0.35	D-BU	2307	III	-
14	0.35 0.35	L-GN L-GN/RD	2308 2308	I	-	Passenger Air Bag Off Indicator Control Passenger Air Bag Off Indicator Control	14	0.35	L-GN	2308	III	-
15-16	-	-	-	-	-	Not Occupied	15-16	-	-	-	-	-
17	0.5	RD/YE	240	II	-	Battery Positive Voltage	17	0.5 0.35	RD/YE RD/YE	240 240	IV	-
18	-	-	-	-	-	Not Occupied	18	-	-	-	-	-
19	0.35	YE/VT	6191	I	-	Power Sliding Window Switch Open Signal	19	0.35	YE/VT	6191	III	-
20	0.35	WH	6192	I	-	Power Sliding Window Switch Close Signal	20	0.35	WH	6192	III	-
21	0.5	GY	157	I	-	Interior Lamp Control	21	0.5	GY	157	V	-
22	-	-	-	-	-	Not Occupied	22	-	-	-	-	-
23	0.35	VT/YE	43	I	-	Accessory Voltage	23	0.35	VT/YE	43	III	-
24-26	-	-	-	-	-	Not Occupied	24-26	-	-	-	-	-

X318 Overhead Console Harness to Headliner Harness





Connector Part Information

Harness Type: Overhead Console

OEM Connector: 10846819

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F Kaizen YESC Series (L-GY)

Connector Part Information

Harness Type: Headliner

OEM Connector: 10846812

Service Connector: 88988510

Description: 2-Way M Kaizen YESC Series (L-GY)

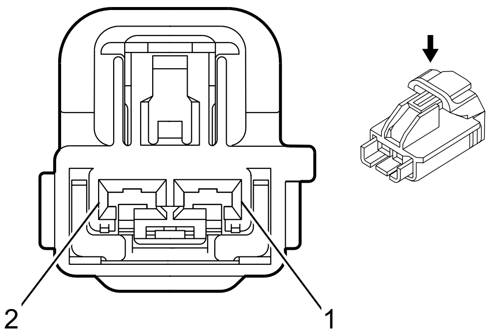
Terminal Part Information

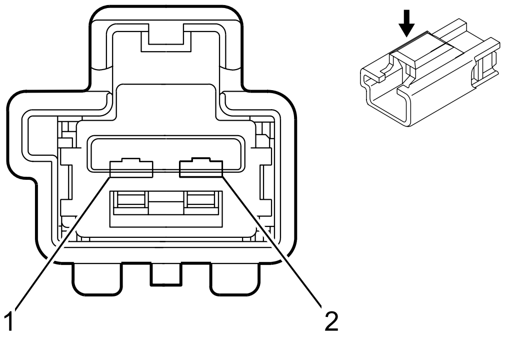
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-35 (VT)	J-38125-11A	7116-4112-02	9	C	D
II	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available

X318 Overhead Console Harness to Headliner Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/L-GN	3140	I	-	Battery Positive Voltage	1	2.5	RD/L-GN	3140	II	-
2	2.5	BK	1050	I	-	Ground	2	2.5	BK	1050	II	-

X319 Overhead Console Harness to Headliner Harness





Connector Part Information

Harness Type: Overhead Console

OEM Connector: 10846819

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F Kaizen YESC Series (L-GY)

Connector Part Information

Harness Type: Headliner

OEM Connector: 10846812

Service Connector: 88988510

Description: 2-Way M Kaizen YESC Series (L-GY)

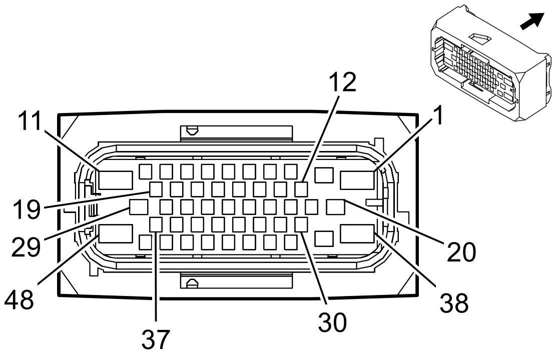
Terminal Part Information

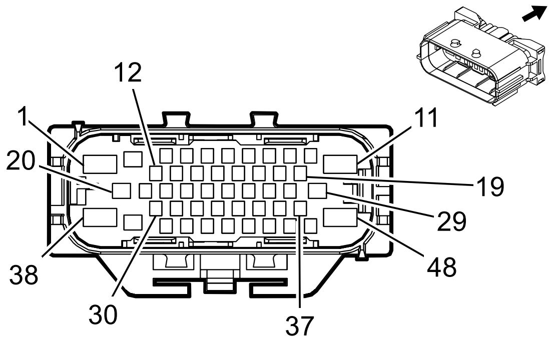
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-35 (VT)	J-38125-11A	7116-4112-02	9	C	D
II	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X319 Overhead Console Harness to Headliner Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/L-GN	3140	I	-	Battery Positive Voltage	1	2.5	RD/L-GN	3140	II	-
2	2.5	BK	1050	I	-	Ground	2	2.5	BK	1050	II	-

X320 Passenger Seat Cushion Harness to Body Harness





Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 15509590

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (YE)

Harness Type: Passenger Seat Cushion

OEM Connector: 15509598

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (YE)

Connector Part Information

Harness Type: Body

OEM Connector: 15507907

Service Connector: Not Available

Description: 48-Way M 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	13327155	J-35616-35 (VT)	J-38125-36	4-964273-1	15	C	5
III	Not Available	J-35616-64B (L-BU)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
IV	13578882	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	E	1
VI	13578881	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	C	4

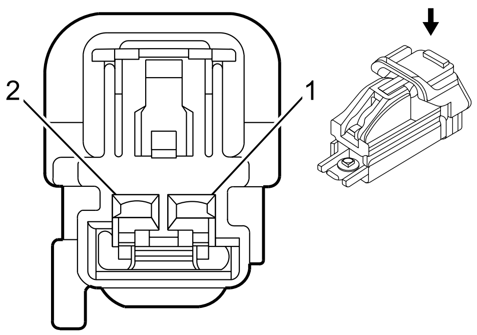
X320 Passenger Seat Cushion Harness to Body Harness

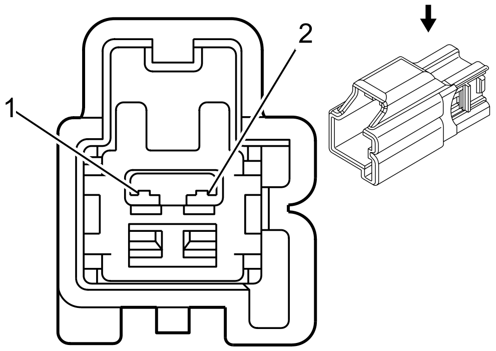
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	-	-	-	-	-	Not Occupied	1	-	-	-	-	-
2	2.5	RD/BN	1440	II	-	Battery Positive Voltage	2	2.5	RD/BN	1440	VI	-
3-4	-	-	-	-	-	Not Occupied	3-4	-	-	-	-	-
5	0.35	OG/L-BU	5056	I	-	Passenger Seat Position Switch Signal	5	0.35	OG/D-BU	5056	IV	-
6	0.35	OG/VT	1362	I	-	Passenger Seat Belt Switch Signal	6	0.35	OG/VT	1362	IV	-
7	0.35	BK/OG	1361	I	-	Passenger Seat Belt Switch Low Reference	7	0.35	BK/OG	1361	IV	-

8	0.75	BN/VT	2077	I	-	Driver Heated Seat Element Supply Voltage	8	0.75	BN/VT	2077	V	-
9	0.75	BN	2432	I	-	Driver Heated Back Element Supply Voltage	9	0.75	BN	2432	V	-
10	-	-	-	-	-	Not Occupied	10	-	-	-	-	-
11	4 2.5	BK BK	1250 1250	I	-	Ground Ground	11	4	BK	1250	I	-
12-13	-	-	-	-	-	Not Occupied	12-13	-	-	-	-	-
14	0.35	L-BU/RD	5612	I	-	Passenger Seat Belt Tension Sensor Voltage Reference	14	0.35	D-BU/RD	5612	IV	-
15	0.35	VT/OG	5611	I	-	Passenger Seat Belt Tension Sensor Signal	15	0.35	VT/OG	5611	IV	-
16	-	-	-	-	-	Not Occupied	16	-	-	-	-	-
17	0.75	RD/L-GN	6140	I	-	Battery Positive Voltage	17	0.75	RD/L-GN	6140	V	-
18	-	-	-	-	-	Not Occupied	18	-	-	-	-	-
19	0.35	VT/WH	5908	I	-	Passenger Seat Vent Motor Control (1)	19	0.35	VT/WH	5908	IV	-
20-23	-	-	-	-	-	Not Occupied	20-23	-	-	-	-	-
24	0.5	BN/OG	3067	III	-	Passenger Side Impact Module Low Control	24	0.35	BN/OG	3067	I	-
25	0.5	GY/OG	3480	III	-	Passenger Seat Belt Anchor Pretensioner Low Control	25	0.35	GY/OG	3480	I	-
26	0.35 0.5	L-GN L-GN	5060 5060	I	-	Low Speed GMLAN Serial Data Low Speed GMLAN Serial Data	26	0.35	L-GN	5060	IV	-
27	0.35	L-GN/L-BU	6133	I	-	Linear Interconnect Network Bus 2	27	0.5	L-GN/D-BU	6133	V	-
28-32	-	-	-	-	-	Not Occupied	28-32	-	-	-	-	-
33	0.5	OG/GY	3066	III	-	Passenger Side Impact Module High Control	33	0.35	OG/GY	3066	I	-
34	0.5	OG/BN	3479	III	-	Passenger Seat Belt Anchor Pretensioner High Control	34	0.35	OG/BN	3479	I	-
35	0.35	RD/L-GN	4440	I	-	Battery Positive Voltage	35	0.35	RD/L-GN	4440	IV	-
36	0.35	BK/WH	2751	I	-	Signal Ground	36	0.5	BK/WH	2751	V	-
37-45	-	-	-	-	-	Not Occupied	37-45	-	-	-	-	-
46	0.35	GY	157	I	-	Interior Lamp Control	46					

46	0.35	GY	157	I	-	Interior Lamp Control	46					
47	0.75	RD/L-GN	5140	I	-	Battery Positive Voltage	47	0.75	RD/L-GN	5140	V	-
48	-	-	-	-	-	Not Occupied	48	-	-	-	-	-

X399 Instrument Panel Harness to Instrument Panel Harness





Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 10846794

Service Connector: 88988504

Description: 2-Way F 1.5 YESC Series (L-GY)

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 10846798

Service Connector: 88988503

Description: 2-Way M 1.5 Series (L-GY)

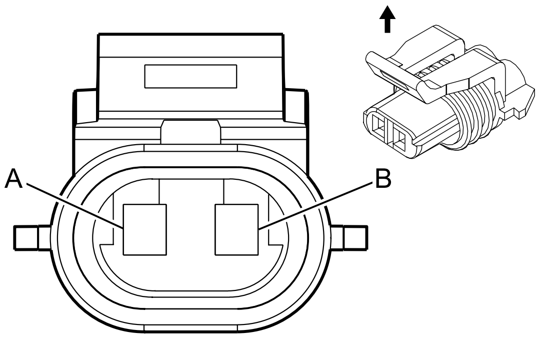
Terminal Part Information

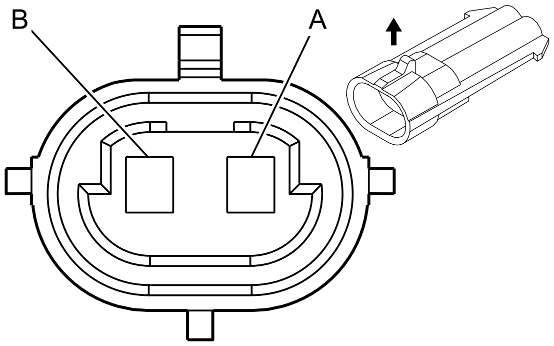
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2
II	Not Available	J-35616-3 (GY)	J-38125-553	7114-4100-08	9	E	C

X399 Instrument Panel Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	GY/VT	3998	I	-	MOST Serial Data (+)	1	0.5	GY/VT	3998	I	-
2	0.5	WH/L-GN	3997	I	-	MOST Serial Data (-)	2	0.5	WH/L-GN	3997	I	-

X416 License Lamp Jumper Harness to Rear Clearance Lamps (Left) Jumper Harness (ZW9)





Connector Part Information

Harness Type: License Lamp Jumper

OEM Connector: 12052644

Service Connector: SEE NOTE

Description: 2-Way F 150 Metri Pack Series, Sealed (GY)

Connector Part Information

Harness Type: Rear Clearance Lamps (Left) Jumper

OEM Connector: 12162343

Service Connector: 12162343

Description: 2-Way M 150 Metri Pack Series (GY)

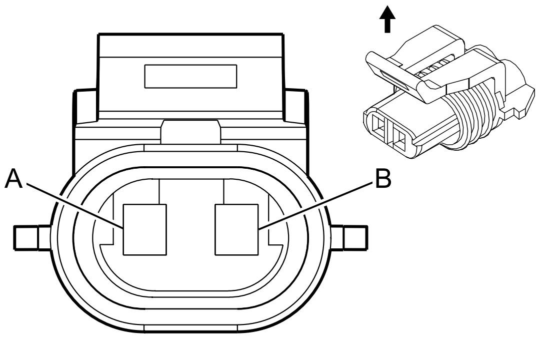
Terminal Part Information

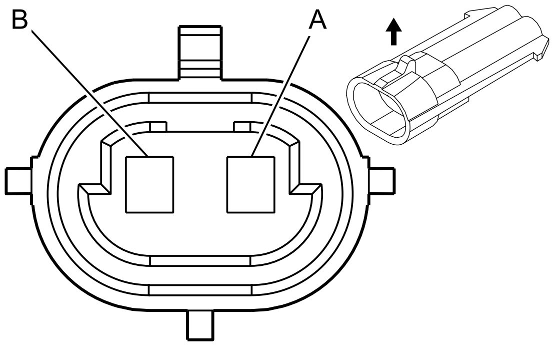
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1
II	13575420	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1

X416 License Lamp Jumper Harness to Rear Clearance Lamps (Left) Jumper Harness (ZW9)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.5	VT/GY	709	I	-	Left Park Lamp Supply Voltage	A	0.5	VT/GY	709	II	-
B	0.5	BK	1750	I	-	Ground	B	0.5	BK	1750	II	-

X416 Rear Bumper Harness to Rear Clearance Lamps (Left) Jumper Harness (except ZW9)





Connector Part Information

Harness Type: Rear Bumper

OEM Connector: 12052644

Service Connector: SEE NOTE

Description: 2-Way F 150 Metri Pack Series, Sealed (GY)

Connector Part Information

Harness Type: Rear Clearance Lamps (Left) Jumper

OEM Connector: 12162343

Service Connector: 12162343

Description: 2-Way M 150 Metri Pack Series (GY)

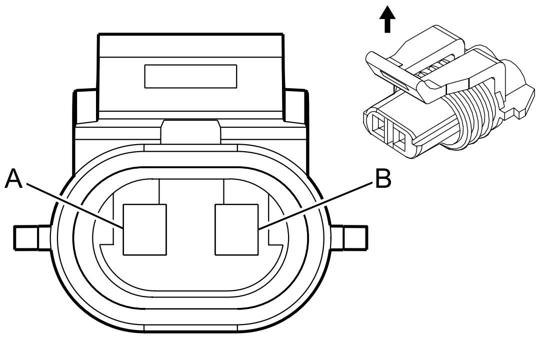
Terminal Part Information

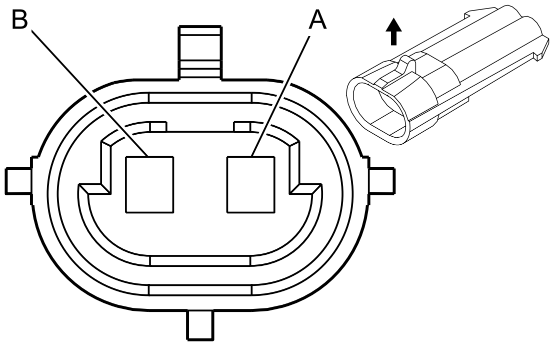
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1
II	13575420	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1

X416 Rear Bumper Harness to Rear Clearance Lamps (Left) Jumper Harness (except ZW9)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.5	VT/GY	709	I	-	Left Park Lamp Supply Voltage	A	0.5	VT/GY	709	II	-
B	0.5	BK	1750	I	-	Ground	B	0.5	BK	1750	II	-

X416 Rear Bumper Harness to Rear Clearance Lamps (Left) Jumper Harness (ZW9)





Connector Part Information

Harness Type: Rear Bumper

OEM Connector: 12052644

Service Connector: SEE NOTE

Description: 2-Way F 150 Metri Pack Series, Sealed (GY)

Connector Part Information

Harness Type: Rear Clearance Lamps (Left) Jumper

OEM Connector: 12162343

Service Connector: 12162343

Description: 2-Way M 150 Metri Pack Series (GY)

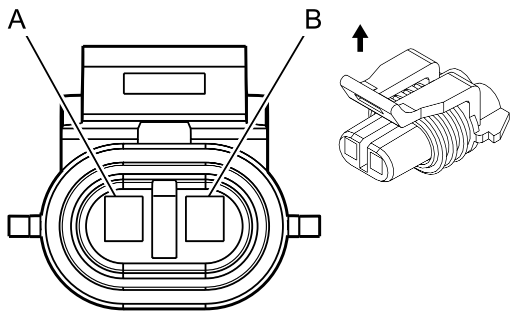
Terminal Part Information

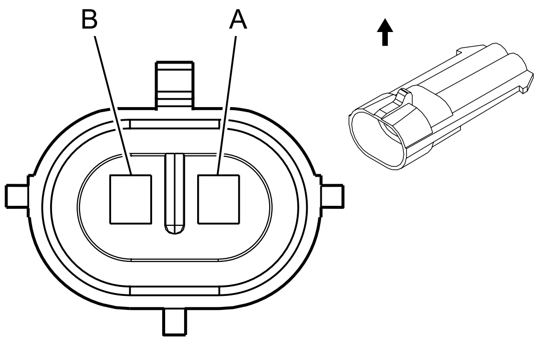
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1
II	13575420	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1

X416 Rear Bumper Harness to Rear Clearance Lamps (Left) Jumper Harness (ZW9)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.5	VT/GY	709	I	-	Left Park Lamp Supply Voltage	A	0.5	VT/GY	709	II	-
B	0.5	BK	1750	I	-	Ground	B	0.5	BK	1750	II	-

X417 License Lamp Jumper Harness to Rear Clearance Lamps (Right) Jumper Harness





Connector Part Information

Harness Type: License Lamp Jumper

OEM Connector: 12052641

Service Connector: 13586114

Description: 2-Way F 150 Metri Pack Series (BK)

Harness Type: Rear Bumper

OEM Connector: 12052641

Service Connector: 13586114

Description: 2-Way F 150 Metri Pack Series (BK)

Connector Part Information

Harness Type: Rear Clearance Lamps (Right) Jumper

OEM Connector: 12162000

Service Connector: 12167120

Description: 2-Way M 150 Metri Pack Series (BK)

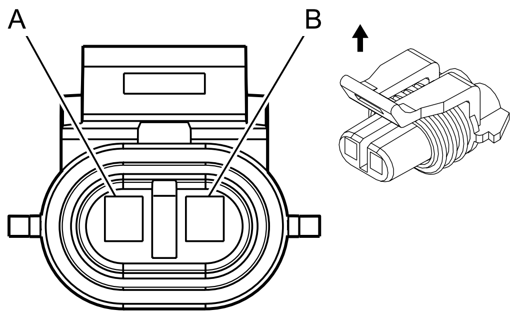
Terminal Part Information

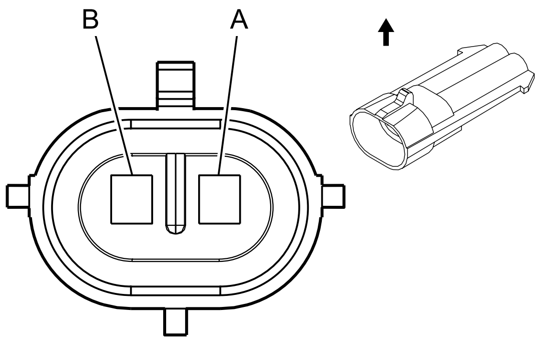
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1
II	13575420	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1

X417 License Lamp Jumper Harness to Rear Clearance Lamps (Right) Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.5	GY/BN	309	I	-	Right Park Lamp Supply Voltage	A	0.5	GY/BN	309	II	-
B	0.5	BK	1750	I	-	Ground	B	0.5	BK	1750	II	-

X417 Rear Bumper Harness to Rear Clearance Lamps (Right) Jumper Harness (ZW9)





Connector Part Information

Harness Type: Rear Bumper

OEM Connector: 12052641

Service Connector: 13586114

Description: 2-Way F 150 Metri Pack Series (BK)

Connector Part Information

Harness Type: Rear Clearance Lamps (Right) Jumper

OEM Connector: 12162000

Service Connector: 12167120

Description: 2-Way M 150 Metri Pack Series (BK)

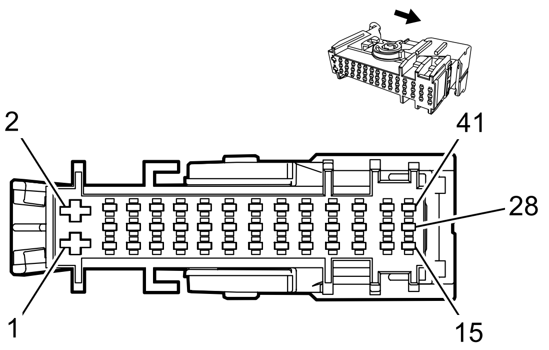
Terminal Part Information

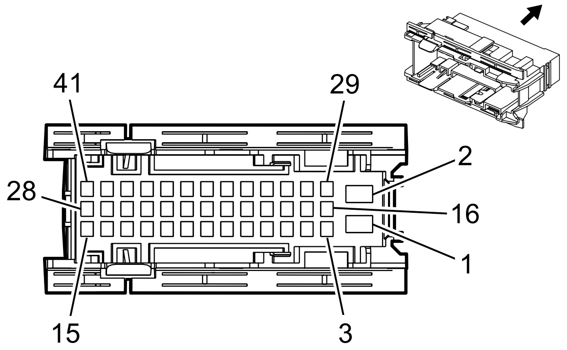
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575427	J-35616-14 (GN)	J-38125-12A	12048074	2	E	1
II	13575420	J-35616-3 (GY)	J-38125-12A	12045773	2	E	1

X417 Rear Bumper Harness to Rear Clearance Lamps (Right) Jumper Harness (ZW9)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	0.5	GY/BN	309	I	-	Right Park Lamp Supply Voltage	A	0.5	GY/BN	309	II	-
B	0.5	BK	1750	I	-	Ground	B	0.5	BK	1750	II	-

X500 Driver Door Harness to Body Harness





Connector Part Information

Harness Type: Driver Door

OEM Connector: 13600509

Service Connector: Service by Harness - See Part Catalog

Description: 41-Way F 4.8 TIMER/DSQ 1.5 Series

Connector Part Information

Harness Type: Body

OEM Connector: 13946876

Service Connector: 13587760

Description: 41-Way M 1.5, 2.8 Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-42 (RD)	J-38125-36	927837-1	25	A	D
II	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A
III	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	Not Available	Not Available
IV	Pending	J-35616-42 (RD)	J-38125-36	964328-1	25	4	B
V	Pending	J-35616-14 (GN)	J-38125-560	964265-2	28	C	A
VI	Pending	J-35616-14 (GN)	J-38125-560	964265-2	28	E	C
VII	Pending	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2
VIII	Pending	J-35616-42 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available

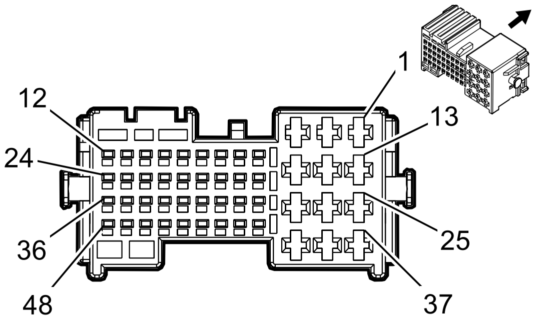
X500 Driver Door Harness to Body Harness

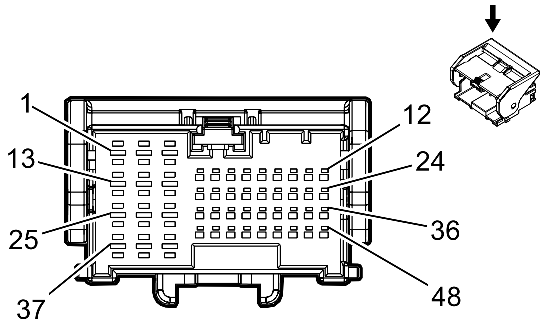
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/D-BU	1842	I	-	Battery Positive Voltage	1	2.5	RD/D-BU	1842	III	-
2	3	BK	1150	IV	-	Ground	2	4	BK	1150	VIII	-
3	0.5	GY/WH	5996	II	-	Driver Outside Rear View Mirror Puddle Lamp Supply Voltage	3	0.5	GY/L-GN	5996	VII	-
4	0.35	WH	3398	III	-	Co-Driver Mirror Motor Common Control	4	0.35	WH	3398	VII	-
5	0.35	YE/BK	1690	III	-	Automatic Day/Night Mirror Signal	5	0.35	YE/WH	1690	VII	-
6	0.35	BK/YE	1691	III	-	Automatic Day/Night Mirror Low Reference	6	0.35	BK/YE	1691	VII	-

						Mirror Low Reference						
7	0.5 0.35	WH/L-GN D-BU/L-GN	3412 614	II	-	Driver Mirror Motor Fold In Control Memory Seat Switch Set Signal	7	0.5 0.35	WH/L-GN D-BU/L-GN	3412 614	VII	-
8	0.5 0.35	GY/WH WH	3411 615	II	-	Driver Mirror Motor Fold Out Control Memory Seat Switch Signal (1)	8	0.5 0.35	GY/WH WH	3411 615	VII	-
9	-	-	-	-	-	Not Occupied	9	-	-	-	-	-
10	1	D-BU	201	II	-	Left Front Speaker (+) (1)	10	1 0.75	D-BU D-BU	201 201	V	-
11	-	-	-	-	-	Not Occupied	11	-	-	-	-	-
12	-	-	-	-	-		12	-	-	-	-	-
13	0.35	WH/VT	3270	III	-	Driver Door Lock Motor Status	13	0.35	WH/VT	3270	VII	-
14	0.5	OG/L-GN	2132	II	-	Left Front Side Impact Sensing Module Signal	14	0.35	OG/L-GN	2132	VII	-
15	0.5	BK/OG	6628	II	-	Left Front Side Impact Sensing Module Low Reference	15	0.35	BK/OG	6628	VII	-
16	0.35	WH	6816	III	-	Indicator Dimming Control	16	0.5	WH	6816	VII	-
17	0.35	BN/WH	781	III	-	Driver Door Lock Switch Unlock Signal	17	0.35	BN/WH	781	VII	-
18	0.35	BN/YE	780	III	-	Driver Door Lock Switch Lock Signal	18	0.35	BN/YE	780	VII	-
19	0.75	BN/BK	294	II	-	Door Lock Actuator Unlock Control	19	0.75	BN/YE	294	VI	-
20	0.75	GY	5911	II	-	Door Lock Actuator Lock Control 2	20	0.75	GY	5911	VI	-
21	0.35	BK/D-BU	5978	III	-	Memory Switch Low Reference	21	0.35	BK/D-BU	5978	VII	-
22	-	-	-	-	-	Not Occupied	22	-	-	-	-	-
23	1	BN/D-BU	118	II	-	Left Front Speaker Signal (-) (1)	23	0.75 1	BN/D-BU BN/D-BU	118 118	VI	-
24-25	-	-	-	-	-	Not Occupied	24-25	-	-	-	-	-
26	0.35	D-BU/VT	1124	III	-	Door Lock Key Switch Unlock Signal	26	0.35	D-BU/VT	1124	VII	-
27-28	-	-	-	-	-	Not Occupied	27-28	-	-	-	-	-
29	0.35	YE	6817	III	-	LED Backlight Dimming Control	29	0.35	YE	6817	VII	-

						Control						
30	0.35	WH/YE	7557	III	-	LED Ambient Lighting Control 1	30	0.35	WH/YE	7557	VII	-
31	0.5	BN/OG	2267	II	-	Mirror Heating Element Supply Voltage	31	0.5	BN/YE	2267	VII	-
32	0.35	GY	5697	III	-	Child Lockout Indicator	32	0.35	GY	5697	VII	-
33	0.5	L-GN/YE	6134	II	-	Linear Interconnect Network Bus 3	33	0.5	L-GN/YE	6134	VII	-
34	0.5	L-GN/WH	7530	II	-	Linear Interconnect Network Bus 8	34	0.5	L-GN/WH	7530	VII	-
35	0.35	BN/RD	3265	III	-	Child Security Lock Switch Signal	35	0.35	YE/BN	3265	VII	-
36	0.35	L-GN/BK	3396	III	-	Co-Driver Mirror Motor Right (+) Left (-) Control	36	0.35	L-GN/BK	3396	VII	-
37	-	-	-	-	-	Not Occupied	37	-	-	-	-	-
38	0.35	YE/VT	3397	III	-	Co-Driver Mirror Motor Up (+) Down (-) Control	38	0.35	YE/VT	3397	VII	-
39	-	-	-	-	-	Not Occupied	39	-	-	-	-	-
40	0.35	RD/VT	1940	III	-	Battery Positive Voltage	40	0.5	RD/VT	1940	VII	-
41	0.5	D-BU/WH	1314	II	-	Left Front Turn Signal Lamp Supply Voltage	41	0.75	D-BU/WH	1314	VI	-

X505 Driver Door Harness to Driver Door Trim Harness





Connector Part Information

Harness Type: Driver Door

OEM Connector: 13889713

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way F 1.2 MCON, 2.8 MCP Series

Connector Part Information

Harness Type: Driver Door Trim

OEM Connector: 13889712

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way M 1.2 MCON, 2.8 MCP Series

Harness Type: Driver Door Trim

OEM Connector: 15512031

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way M 1.2 MCON, 2.8 MCP Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	Pending	Pending	Not Available	Not Available	Not Available	Not Available
II	13575435	J-35616-35 (VT)	J-38125-557	1-968857-3	7	Not Available	Not Available
III	Pending	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available

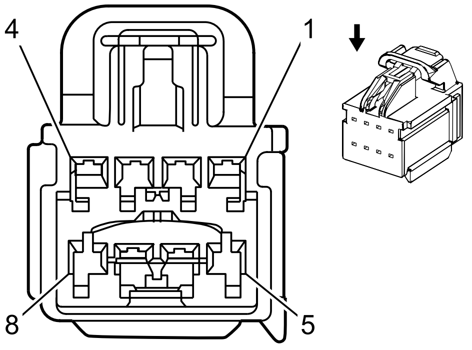
X505 Driver Door Harness to Driver Door Trim Harness

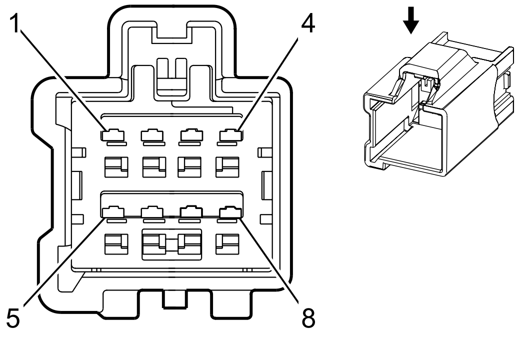
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	YE	6817	I	-	LED Backlight Dimming Control	1	0.35	YE	6817	III	-
2	0.35	WH/YE	7557	I	-	LED Ambient Lighting Control 1	2	0.35	WH/YE	7557	III	-
3	0.35	WH	6816	I	-	Indicator Dimming Control	3	0.35	WH	6816	III	-
4	-	-	-	-	-	Not Occupied	4	-	-	-	-	-
5	0.35	BN/BK	3389	I	-	Driver Mirror Motor Right (+) Left (-) Control	5	0.75	BN/BK	3389	I	-
6	0.35	VT/D-BU	3390	I	-	Driver Mirror Motor Up (+) Down (-) Control	6	0.75	VT/D-BU	3390	I	-
7	0.35	YE/BN	3391	I	-	Driver Mirror Motor Common Control	7	0.75	YE/BN	3391	I	-
8	0.5	GY/WH	3411	I	-	Driver Mirror Motor Fold	8	0.75	GY/WH	3411	I	-

8	0.5	GY/WH	3411	I	-	Driver Mirror Motor Fold Out Control	8	0.75	GY/WH	3411	I	-
9	0.5	WH/L-GN	3412	I	-	Driver Mirror Motor Fold In Control	9	0.75	WH/L-GN	3412	I	-
10	0.35	GY/BN	3394	I	-	Driver Mirror Position Sensor Up (+) Down (-) Signal	10	0.35	GY/BN	3394	I	-
11	0.35	BN/BK	3389	I	-	Driver Mirror Motor Right (+) Left (-) Control	11	0.75	BN/BK	3389	I	-
12	0.35	VT/RD	3392	I	-	Driver Mirror Position Sensor High Reference	12	0.35	VT/RD	3392	I	-
13	0.35	WH/YE	3395	I	-	Driver Mirror Position Sensor Left (-) Right (+) Signal	13	0.35	WH/YE	3395	III	-
14	0.35	BK/BN	3393	I	-	Driver Mirror Position Sensor Low Reference	14	0.35	BK/BN	3393	III	-
15-16	-	-	-	-	-	Not Occupied	15-16	-	-	-	-	-
17	0.5	BK	1150	I	-	Ground	17	0.35	BK	1150	I	-
18-21	-	-	-	-	-	Not Occupied	18-21	-	-	-	-	-
22	0.35	RD/VT	1940	I	-	Battery Positive Voltage	22	0.5	RD/VT	1940	I	-
23	0.75	BK	1150	I	-	Ground	23	0.75	BK	1150	I	-
24	-	-	-	-	-	Not Occupied	24	-	-	-	-	-
25	0.5	GY/WH	3411	II	-	Driver Mirror Motor Fold Out Control	25	0.75	GY/WH	3411	III	-
26	0.5	WH/L-GN	3412	II	-	Driver Mirror Motor Fold In Control	26	0.75	WH/L-GN	3412	III	-
27-28	-	-	-	-	-	Not Occupied	27-28	-	-	-	-	-
29	0.35	GY	1136	I	-	Power Window Master Switch Left Front Down Signal	29	0.35	GY	1136	I	-
30	0.35	L-GN/WH	1300	I	-	Power Window Master Switch Left Front Up Signal	30	0.35	L-GN/WH	1300	I	-
31	0.35	L-GN/VT	7628	I	-	Power Window Motor Left Front Express Control	31	0.35	L-GN/VT	7628	I	-
32	0.35	BK/D-BU	5978	I	-	Memory Switch Low Reference	32	0.35	BK/D-BU	5978	I	-
33	0.35	D-BU/L-GN	614	I	-	Memory Seat Switch Set Signal	33	0.35	D-BU/L-GN	614	I	-
34	0.35	WH	615	I	-	Memory Seat Switch Signal (1)	34	0.35	WH	615	I	-
35	-	-	-	-	-	Not Occupied	35	-	-	-	-	-

				-	-	Not Occupied					-
36	0.5	L-GN/YE	6134	I	-	Linear Interconnect Network Bus 3	36	0.5	L-GN/YE	6134	I	-
37	0.5	L-GN/WH	7530	I	-	Linear Interconnect Network Bus 8	37	0.5	L-GN/WH	7530	III	-
38-39	-	-	-	-	-	Not Occupied	38-39	-	-	-	-	-
40	0.35	BN/RD	3265	I	-	Child Security Lock Switch Signal	40	0.35	YE/BN	3265	I	-
41	0.35	WH/VT	3270	I	-	Driver Door Lock Motor Status	41	0.35	WH/VT	3270	I	-
42	0.35	L-GN/BK	3396	I	-	Co-Driver Mirror Motor Right (+) Left (-) Control	42	0.75	L-GN/BK	3396	I	-
43	0.35	YE/VT	3397	I	-	Co-Driver Mirror Motor Up (+) Down (-) Control	43	0.75	YE/VT	3397	I	-
44	0.35	WH	3398	I	-	Co-Driver Mirror Motor Common Control	44	0.75	WH	3398	I	-
45	0.35	GY	5697	I	-	Child Lockout Indicator	45	0.35	GY	5697	I	-
46	0.35	D-BU/VT	1124	I	-	Door Lock Key Switch Unlock Signal	46	0.35	D-BU/VT	1124	I	-
47	0.35	BN/WH	781	I	-	Driver Door Lock Switch Unlock Signal	47	0.35	BN/WH	781	I	-
48	0.35	BN/YE	780	I	-	Driver Door Lock Switch Lock Signal	48	0.35	BN/YE	780	I	-

X506 Driver Door Trim Harness to Driver Door Harness





Connector Part Information

Harness Type: Driver Door Trim

OEM Connector: 10846802

Service Connector: 19153166

Description: 8-Way F 1.5 Kaizen YESC Series (L-GY)

Connector Part Information

Harness Type: Driver Door

OEM Connector: 10847035

Service Connector: Service by Harness - See Part Catalog

Description: 8-Way M 1.5 Kaizen YESC Series (L-GY)

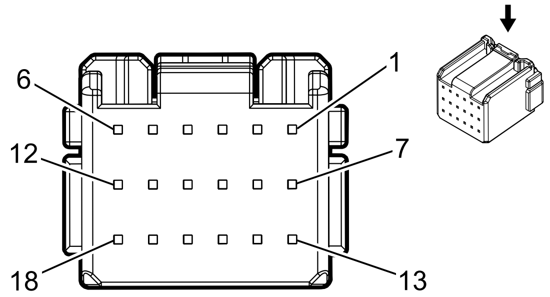
Terminal Part Information

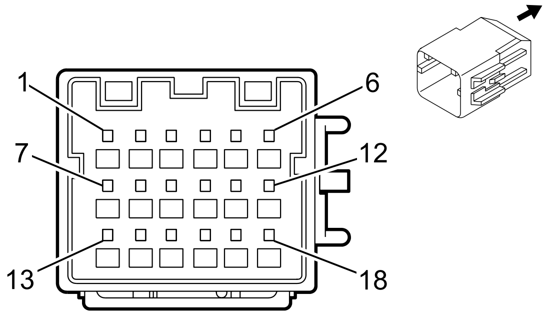
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2
II	Pending	J-35616-3 (GY)	J-38125-553	7114-4100-08	9	E	C

X506 Driver Door Trim Harness to Driver Door Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1-3	-	-	-	-	-	Not Occupied	1-3	-	-	-	-	-
4	0.35	BN/YE	780	I	-	Driver Door Lock Switch Lock Signal	4	0.35	BN/YE	780	II	-
5	0.35	BN/WH	781	I	-	Driver Door Lock Switch Unlock Signal	5	0.35	BN/WH	781	II	-
6	0.35	YE	6817	I	-	LED Backlight Dimming Control	6	0.35	YE	6817	II	-
7	0.35	BK	1150	I	-	Ground	7	0.5	BK	1150	II	-
8	-	-	-	-	-	Not Occupied	8	-	-	-	-	-

X510 Outside Rearview Mirror to Driver Door Harness





Connector Part Information

Harness Type:

OEM Connector: ARVPB-18-3AK

Service Connector: Service by Harness – See Part Catalog

Description: 18 F 0.64 Series (BK)

Connector Part Information

Harness Type: Driver Door

OEM Connector: 13888973

Service Connector: Service by Harness - See Part Catalog

Description: 18-Way M 0.64 Series (BK)

Terminal Part Information

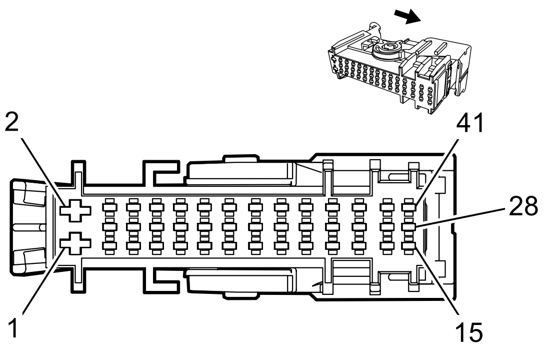
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-65B (L-BU)	J-38125-553	SNAC3W-A021T-0.64	20	J	J

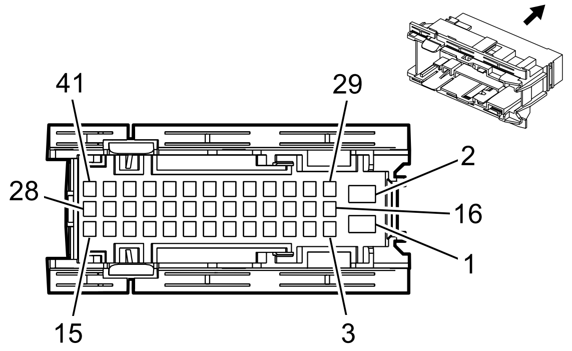
X510 Outside Rearview Mirror to Driver Door Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	OG/WH	5996	I	-	Driver Outside Rear View Mirror Puddle Lamp Supply Voltage	1	0.5 0.5	GY/WH VT/GY	5996 709	II	-
2	0.35	GN/BK	1690	I	-	Automatic Day/Night Mirror Signal	2	0.35 0.5	YE/BK WH/VT	1690 1430	II	-
3	0.35	BU	3393	I	-	Driver Mirror Position Sensor Low Reference	3	0.35	BK/BN	3393	II	-
4	0.35	YE	3411	I	-	Driver Mirror Motor Fold Out Control	4	0.5	GY/WH	3411	II	-
5	0.35	BK/WH	1150	I	-	Ground	5	0.5	BK	1150	II	-
6	-	-	-	-	-	Not Occupied	6	-	-	-	-	-
7	0.35	GY	3395	I	-	Driver Mirror Position Sensor Left (-) Right (+) Signal	7	0.35	WH/YE	3395	II	-
8	0.35	BK	2267	I	-	Mirror Heating Element Supply Voltage	8	0.5	BN/OG	2267	II	-
9	0.35	BU/WH	3390	I	-	Driver Mirror Motor Up (+) Down (-) Control	9	0.35 0.5	VT/D-BU VT/D-BU	3390 3390	II	-

10	0.35	GN/WH	3389	I	-	Driver Mirror Motor Right (+) Left (-) Control	10	0.35 0.5	BN/BK BN/BK	3389 3389	II	-
11	0.35	BK	1150	I	-	Ground	11	0.5	BK	1150	II	-
12	0.35	WH	3391	I	-	Driver Mirror Motor Common Control	12	0.35 0.5	YE/BN YE/BN	3391 3391	II	-
13	0.35	RD/BU	1314	I	-	Left Front Turn Signal Lamp Supply Voltage	13	0.5	D-BU/WH	1314	II	-
14	0.35	GN	3394	I	-	Driver Mirror Position Sensor Up (+) Down (-) Signal	14	0.35	GY/BN	3394	II	-
15	-	-	-	-	-	Not Occupied	15	-	-	-	-	-
16	0.35	PK	1691	I	-	Automatic Day/Night Mirror Low Reference	16	0.35	BK/YE	1691	II	-
17	0.35	BN	3392	I	-	Driver Mirror Position Sensor High Reference	17	0.35	VT/RD	3392	II	-
18	0.35	L-BU	3412	I	-	Driver Mirror Motor Fold In Control	18	0.5	WH/L-GN	3412	II	-

X600 Passenger Door Harness to Body Harness





Connector Part Information

Harness Type: Passenger Door

OEM Connector: 13600509

Service Connector: Service by Harness - See Part Catalog

Description: 41-Way F 4.8 TIMER/DSQ 1.5 Series

Connector Part Information

Harness Type: Body

OEM Connector: 13946876

Service Connector: 13587760

Description: 41-Way M 1.5, 2.8 Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-42 (RD)	J-38125-36	927837-1	25	A	D
II	Not Available	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A
III	Not Available	J-35616-14 (GN)	J-38125-560	962943-5	16	Not Available	Not Available
IV	Not Available	J-35616-42 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	Not Available	J-35616-14 (GN)	J-38125-560	964265-2	28	E	C
VI	Not Available	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2
VII	Not Available	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	2	4
VIII	Not Available	J-35616-14 (GN)	J-38125-560	964265-2	28	C	A

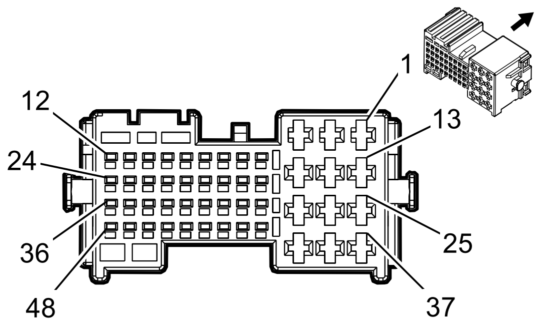
X600 Passenger Door Harness to Body Harness

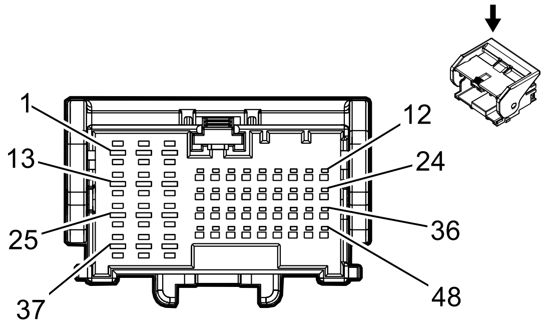
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/WH	1340	I	-	Battery Positive Voltage	1	2.5	RD/WH	1340	IV	-
2	2.5	BK	1250	I	-	Ground	2	2.5	BK	1250	IV	-
3	0.5	GY/L-GN	5996	II	-	Driver Outside Rear View Mirror Puddle Lamp Supply Voltage	3	0.5	GY/L-GN	5996	VI	-
4	0.35 0.5	WH WH	3398 3398	III	-	Co-Driver Mirror Motor Common Control Co-Driver Mirror Motor Common Control	4	0.35	WH	3398	VI	-
5-6	-	-	-	-	-	Not Occupied	5-6	-	-	-	-	-
7	0.5	WH/L-GN	3412	II	-	Driver Mirror Motor Fold	7	0.5	WH/L-GN	3412	VI	-

7	0.5	WH/L-GN	3412	II	-	Driver Mirror Motor Fold In Control	7	0.5	WH/L-GN	3412	VI	-
8	0.5	GY/WH	3411	II	-	Driver Mirror Motor Fold Out Control	8	0.5	GY/WH	3411	VI	-
9	0.5	WH/VT	1430	II	-	Exterior Courtesy Lamp Supply Voltage	9	0.5	WH/VT	1430	VI	-
10	1	YE/BK	117	II	-	Right Front Speaker Signal (-) (1)	10	0.75 1	YE/BK YE/BK	117 117	V	-
11	0.5	GY/BN	309	II	-	Right Park Lamp Supply Voltage	11	0.5	GY/BN	309	VI	-
12	0.35	GY	746	III	-	Right Front Door Ajar Switch Signal	12	0.35	GY	746	VI	-
13	-	-	-	-	-	Not Occupied	13	-	-	-	-	-
14	0.5	BN/OG	2134	II	-	Right Front Side Impact Sensing Module Signal	14	0.35	BN/OG	2134	VI	-
15	0.5	BK/OG	6629	II	-	Right Front Side Impact Sensing Module Low Reference	15	0.35	BK/OG	6629	VI	-
16	-	-	-	-	-	Not Occupied	16	-	-	-	-	-
17	0.35	BN/VT	245	III	-	Passenger Door Lock Switch Unlock Control	17	0.35	BN/VT	245	VI	-
18	0.35	YE/BK	244	III	-	Passenger Door Lock Switch Lock Control	18	0.35	YE/VT	244	VI	-
19	0.75	BN/YE	294	II	-	Door Lock Actuator Unlock Control	19	0.75	BN/YE	294	V	-
20	0.75	GY	295	II	-	Door Lock Actuator Lock Control	20	0.75	GY	295	V	-
21	0.5	BK/D-BU	61	II	-	Outside Ambient Temperature Sensor Low Reference	21	0.35	BK/D-BU	61	VI	-
22	-	-	-	-	-	Not Occupied	22	-	-	-	-	-
23	1	YE	200	II	-	Right Front Speaker (+) (1)	23	0.75 1	YE YE	200 200	V	-
24	0.5	D-BU/GY	636	II	-	Outside Ambient Air Temperature Sensor Signal	24	0.35	D-BU/GY	636	VI	-
25-28	-	-	-	-	-	Not Occupied	25-28	-	-	-	-	-
29	0.35	YE	6817	III	-	LED Backlight Dimming Control	29	0.5	YE	6817	VI	-
30	0.35	WH/YE	7557	III	-	LED Ambient Lighting Control 1	30	0.35	WH/YE	7557	VI	-
31	0.5	BN/OG	2267	II	-	Mirror Heating Element Supply Voltage	31	0.5	BN/YE	2267	VI	-

						Supply Voltage						
32	-	-	-	-	-	Not Occupied	32	-	-	-	-	-
33	0.5	L-GN/YE	6134	II	-	Linear Interconnect Network Bus 3	33	0.5	L-GN/YE	6134	VI	-
34	0.5	L-GN/WH	7530	II	-	Linear Interconnect Network Bus 8	34	0.5	L-GN/WH	7530	VI	-
35	-	-	-	-	-	Not Occupied	35	-	-	-	-	-
36	0.35 0.5	L-GN/BK L-GN/BK	3396 3396	III	-	Co-Driver Mirror Motor Right (+) Left (-) Control Co-Driver Mirror Motor Right (+) Left (-) Control	36	0.35	L-GN/BK	3396	VI	-
37	-	-	-	-	-	Not Occupied	37	-	-	-	-	-
38	0.35 0.5	YE/VT YE/VT	3397 3397	III	-	Co-Driver Mirror Motor Up (+) Down (-) Control Co-Driver Mirror Motor Up (+) Down (-) Control	38	0.35	YE/VT	3397	VI	-
39-40	-	-	-	-	-	Not Occupied	39-40	-	-	-	-	-
41	0.5	L-GN/VT	1315	II	-	Right Front Turn Signal Lamp Supply Voltage	41	0.75	L-GN/VT	1315	V	-

X605 Passenger Door Harness to Passenger Door Trim Harness





Connector Part Information

Harness Type: Passenger Door

OEM Connector: 13889713

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way F 1.2 MCON, 2.8 MCP Series

Connector Part Information

Harness Type: Passenger Door Trim

OEM Connector: 15512031

Service Connector: Service by Harness - See Part Catalog

Description: 48-Way M 1.2 MCON, 2.8 MCP Series (BK)

Terminal Part Information

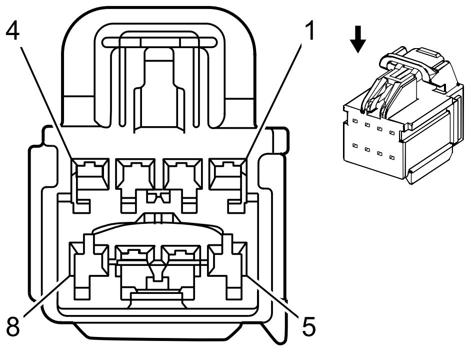
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-35 (VT)	J-38125-557	1-968857-3	7	C	1
III	Not Available	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IV	13575352	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	C	4

X605 Passenger Door Harness to Passenger Door Trim Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	YE	6817	I	-	LED Backlight Dimming Control	1	0.35	YE	6817	III	-
2	0.35	WH/YE	7557	I	-	LED Ambient Lighting Control 1	2	0.35	WH/YE	7557	III	-
3-5	-	-	-	-	-	Not Occupied	3-5	-	-	-	-	-
6	0.35 0.5	YE/VT YE/VT	3397 3397	I	-	Co-Driver Mirror Motor Up (+) Down (-) Control Co-Driver Mirror Motor Up (+) Down (-) Control	6	0.75	YE/VT	3397	I	-
7	0.35 0.5	WH WH	3398 3398	I	-	Co-Driver Mirror Motor Common Control Co-Driver Mirror Motor Common Control	7	0.75	WH	3398	I	-
8	0.5	YE/GY	3413	I	-	Co-Driver Mirror Motor Fold Out Control	8	0.75	YE/WH	3413	I	-
9	0.5	D-BU/GY	3414	I	-	Co-Driver Mirror Motor Fold In Control	9	0.75	D-BU/GY	3414	I	-

						Fold In Control					
10	0.35	D-BU/YE	3401	I	-	Co-Driver Mirror Position Sensor Up (+) Down (-) Signal	10	0.35	D-BU/YE	3401	I	-
11	0.35 0.5	L-GN/BK L-GN/BK	3396 3396	I	-	Co-Driver Mirror Motor Right (+) Left (-) Control Co-Driver Mirror Motor Right (+) Left (-) Control	11	0.75	L-GN/BK	3396	I	-
12	0.35	YE/RD	3399	I	-	Co-Driver Mirror Position Sensor High Reference	12	0.35	YE/RD	3399	I	-
13	0.35	VT/WH	3403	I	-	Co-Driver Mirror Position Sensor Left (-) Right (+) Signal	13	0.35	VT/WH	3403	III	-
14	0.35	BK/L-GN	3400	I	-	Co-Driver Mirror Position Sensor Low Reference	14	0.35	BK/L-GN	3400	III	-
15	2.5	BK	1250	II	-	Ground	15	2.5	BK	1250	IV	-
16	-	-	-	-	-	Not Occupied	16	-	-	-	-	-
17	0.5	BK	1250	I	-	Ground	17	0.35	BK	1250	I	-
18-24	-	-	-	-	-	Not Occupied	18-24	-	-	-	-	-
25	2.5	L-GN/GY	3387	II	-	Power Window Motor Co-Driver Up Control	25	2.5	L-GN/GY	3387	IV	-
26	2.5	YE/D-BU	3388	II	-	Power Window Motor Co-Driver Down Control	26	2.5	YE/D-BU	3388	IV	-
27	2.5	RD/WH	1340	II	-	Battery Positive Voltage	27	2.5	RD/WH	1340	IV	-
28-35	-	-	-	-	-	Not Occupied	28-35	-	-	-	-	-
36	0.5	L-GN/YE	6134	I	-	Linear Interconnect Network Bus 3	36	0.5	L-GN/YE	6134	I	-
37	0.5	L-GN/WH	7530	I	-	Linear Interconnect Network Bus 8	37	0.5	L-GN/WH	7530	III	-
38-45	-	-	-	-	-	Not Occupied	38-45	-	-	-	-	-
46	0.35	GY	746	I	-	Right Front Door Ajar Switch Signal	46	0.35	GY	746	I	-
47	0.35	BN/VT	245	I	-	Passenger Door Lock Switch Unlock Control	47	0.35	BN/VT	245	I	-
48	0.35	YE/BK	244	I	-	Passenger Door Lock Switch Lock Control	48	0.35	YE/VT	244	I	-

X606 Passenger Door Trim Harness to Passenger Door Harness



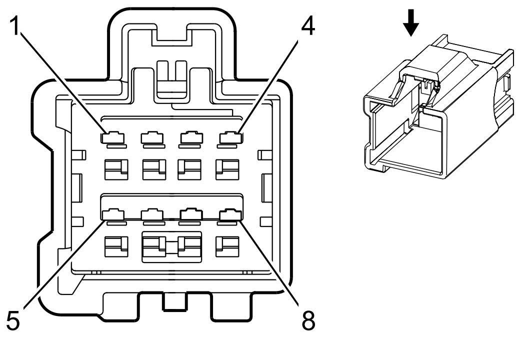
Connector Part Information

Harness Type: Passenger Door Trim

OEM Connector: 10846802

Service Connector: 19153166

Description: 8-Way F 1.5 Kaizen YESC Series (L-GY)



Connector Part Information

Harness Type: Passenger Door

OEM Connector: 10847035

Service Connector: Service by Harness - See Part Catalog

Description: 8-Way M 1.5 Kaizen YESC Series (L-GY)

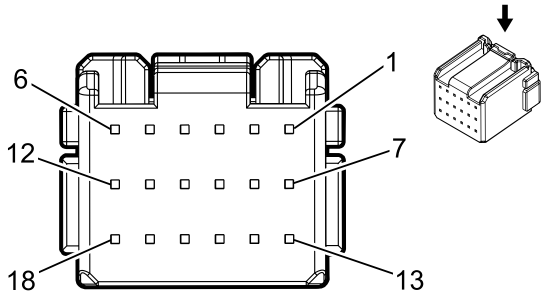
Terminal Part Information

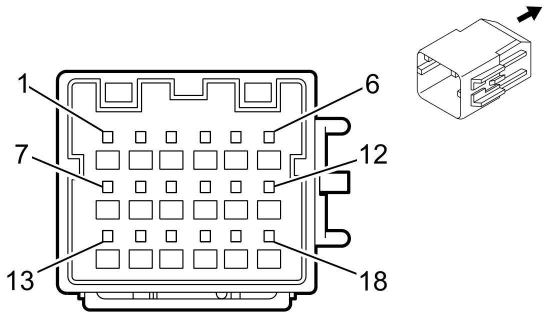
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	J-35616-14 (GN)	J-38125-217	Not Available	Not Available	E	2
II	Not Available	J-35616-3 (GY)	J-38125-553	7114-4100-08	9	E	C

X606 Passenger Door Trim Harness to Passenger Door Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1-3	-	-	-	-	-	Not Occupied	1-3	-	-	-	-	-
4	0.35	YE/VT	244	I	-	Passenger Door Lock Switch Lock Control	4	0.35	YE/BK	244	II	-
5	0.35	BN/VT	245	I	-	Passenger Door Lock Switch Unlock Control	5	0.35	BN/VT	245	II	-
6	0.35	YE	6817	I	-	LED Backlight Dimming Control	6	0.35	YE	6817	II	-
7	0.35	BK	1250	I	-	Ground	7	0.5	BK	1250	II	-
8	-	-	-	-	-	Not Occupied	8	-	-	-	-	-

X610 Outside Rearview Mirror to Passenger Door Harness





Connector Part Information

Harness Type:

OEM Connector: ARVPB-18-3AK

Service Connector: Service by Harness – See Part Catalog

Description: 18 F 0.64 Series (BK)

Connector Part Information

Harness Type: Passenger Door

OEM Connector: 13888973

Service Connector: Service by Harness - See Part Catalog

Description: 18-Way M 0.64 Series (BK)

Terminal Part Information

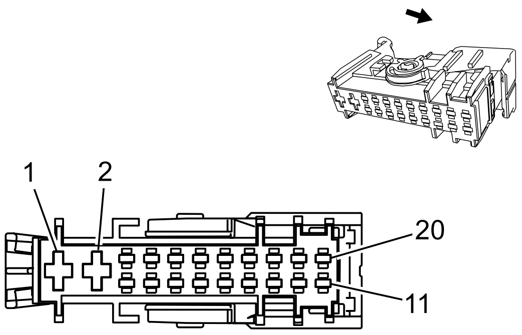
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
II	Not Available	J-35616-65B (L-BU)	J-38125-553	SNAC3W-A021T-0.64	20	J	J

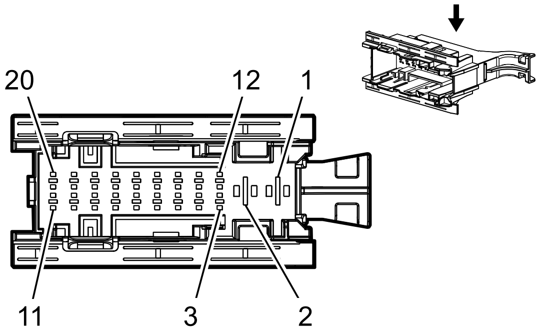
X610 Outside Rearview Mirror to Passenger Door Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	OG/WH	5996	I	-	Driver Outside Rear View Mirror Puddle Lamp Supply Voltage	1	0.5 0.5	GY/L-GN GY/BN	5996 309	II	-
2							2	0.5	WH/VT	1430	II	-
3	0.35	BU	3400	I	-	Co-Driver Mirror Position Sensor Low Reference	3	0.35	BK/L-GN	3400	II	-
4	0.35	YE	3413	I	-	Co-Driver Mirror Motor Fold Out Control	4	0.5 0.5	GY/WH YE/GY	3411 3413	II	-
5	0.35	BK/WH	1250	I	-	Ground	5	0.5	BK	1250	II	-
6	-	-	-	-	-	Not Occupied	6	-	-	-	-	-
7	0.35	GY	3403	I	-	Co-Driver Mirror Position Sensor Left (-) Right (+) Signal	7	0.35	VT/WH	3403	II	-
8	0.35	BK	2267	I	-	Mirror Heating Element Supply Voltage	8	0.5	BN/OG	2267	II	-
9	0.35	BU/WH	3397	I	-	Co-Driver Mirror Motor Up (+) Down (-) Control	9	0.35 0.5	YE/VT YE/VT	3397 3397	II	-

10	0.35	GN/WH	3396	I	-	Co-Driver Mirror Motor Right (+) Left (-) Control	10	0.35 0.5	L-GN/BK L-GN/BK	3396 3396	II	-
11	0.35	BK	1250	I	-	Ground	11	0.5	BK	1250	II	-
12	0.35	WH	3398	I	-	Co-Driver Mirror Motor Common Control	12	0.35 0.5	WH WH	3398 3398	II	-
13	0.35	RD/BU	1315	I	-	Right Front Turn Signal Lamp Supply Voltage	13	0.5	L-GN/VT	1315	II	-
14	0.35	GN	3401	I	-	Co-Driver Mirror Position Sensor Up (+) Down (-) Signal	14	0.35	D-BU/YE	3401	II	-
15							15	0.5	D-BU/GY	636	II	-
16							16	0.5	BK/D-BU	61	II	-
17	0.35	BN	3399	I	-	Co-Driver Mirror Position Sensor High Reference	17	0.35	YE/RD	3399	II	-
18	0.35	L-BU	3414	I	-	Co-Driver Mirror Motor Fold In Control	18	0.5 0.5	WH/L-GN D-BU/GY	3412 3414	II	-

X700 Left Rear Door Harness to Body Harness





Connector Part Information

Harness Type: Left Rear Door

OEM Connector: 13600493

Service Connector: Service by Harness - See Part Catalog

Description: 20-Way F 1.5, 4.8 Timer DSQ Series (GY)

Connector Part Information

Harness Type: Body

OEM Connector: 13600495

Service Connector: 13576560

Description: 20-Way M 1.5, 5.8 Timer Series (GY)

Terminal Part Information

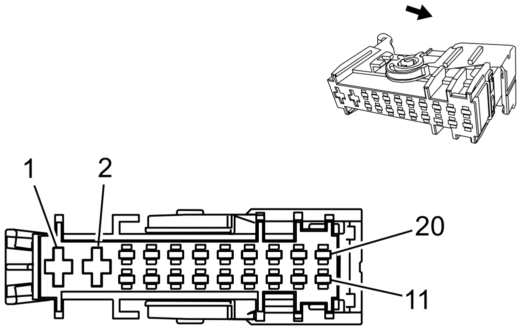
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-42 (RD)	J-38125-36	927837-1	25	A	D
II	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A
III	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	Not Available	Not Available
IV	Pending	J-35616-42 (RD)	J-38125-36	964328-1	25	4	B
V	Pending	J-35616-42 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	Pending	J-35616-14 (GN)	J-38125-560	964265-2	28	E	C
VII	Pending	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2
VIII	Pending	J-35616-14 (GN)	J-38125-560	964265-2	28	C	A

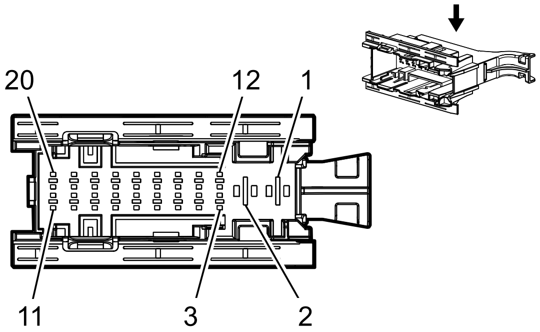
X700 Left Rear Door Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/D-BU	1842	I	-	Battery Positive Voltage	1	2.5	RD/D-BU	1842	V	-
2	3	BK	1150	IV	-	Ground	2	4	BK	1150	V	-
3-6	-	-	-	-	-	Not Occupied	3-6	-	-	-	-	-
7	1	L-GN	199	II	-	Left Rear Speaker (+)	7	0.5 1	L-GN L-GN	199 199	VII	-
8	-	-	-	-	-	Not Occupied	8	-	-	-	-	-
9	0.75	WH/D-BU	3266	II	-	Child Security Lock Motor Unlock Control	9	0.75	WH/D-BU	3266	VI	-
10	0.75	BN/YE	294	II	-	Door Lock Actuator	10	0.75	BN/YE	294	VI	-

10	0.75	BN/YE	294	II	-	Door Lock Actuator Unlock Control	10	0.75	BN/YE	294	VI	-
11	0.75	GY	295	II	-	Door Lock Actuator Lock Control	11	0.75	GY	295	VI	-
12-15	-	-	-	-	-	Not Occupied	12-15	-	-	-	-	-
16	1	L-GN/BK	116	II	-	Left Rear Speaker Signal (-)	16	0.5 1	L-GN/BK L-GN/BK	116 116	VII	-
17	0.5	OG/D-BU	6620	II	-	Left Middle Side Impact Sensing Module Signal	17	0.35	OG/D-BU	6620	VII	-
18	0.5	BK/OG	6621	II	-	Left Middle Side Impact Sensing Module Low Reference	18	0.35	BK/OG	6621	VII	-
19	0.35	BN/WH	3269	III	-	Child Security Lock Motor Status Signal Left Rear	19	0.35	BN/WH	3269	VII	-
20	0.5	L-GN/GY	6135	II	-	Linear Interconnect Network Bus 4	20	0.5	L-GN/GY	6135	VII	-

X800 Right Rear Door Harness to Body Harness





Connector Part Information

Harness Type: Right Rear Door

OEM Connector: 13600493

Service Connector: Service by Harness - See Part Catalog

Description: 20-Way F 1.5, 4.8 Timer DSQ Series (GY)

Connector Part Information

Harness Type: Body

OEM Connector: 13600495

Service Connector: 13576560

Description: 20-Way M 1.5, 5.8 Timer Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Pending	J-35616-42 (RD)	J-38125-36	927837-1	25	A	D
II	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	E	A
III	Pending	J-35616-14 (GN)	J-38125-560	962943-5	16	Not Available	Not Available
IV	Pending	J-35616-42 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	Pending	J-35616-14 (GN)	J-38125-560	964265-2	28	E	C
VI	Pending	J-35616-14 (GN)	J-38125-560	964265-2	28	E	2
VII	Pending	J-35616-14 (GN)	J-38125-560	964265-2	28	C	A

X800 Right Rear Door Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/WH	1340	I	-	Battery Positive Voltage	1	2.5	RD/WH	1340	IV	-
2	2.5	BK	1250	I	-	Ground	2	2.5	BK	1250	III	-
3-6	-	-	-	-	-	Not Occupied	3-6	-	-	-	-	-
7	1	WH	46	II	-	Right Rear Speaker (+)	7	0.5 1	WH WH	46 46	VI	-
8	-	-	-	-	-	Not Occupied	8	-	-	-	-	-
9	0.75	WH/D-BU	3266	II	-	Child Security Lock Motor Unlock Control	9	0.75	WH/D-BU	3266	V	-
10	0.75	BN/YE	294	II	-	Door Lock Actuator Unlock Control	10	0.75	BN/YE	294	V	-

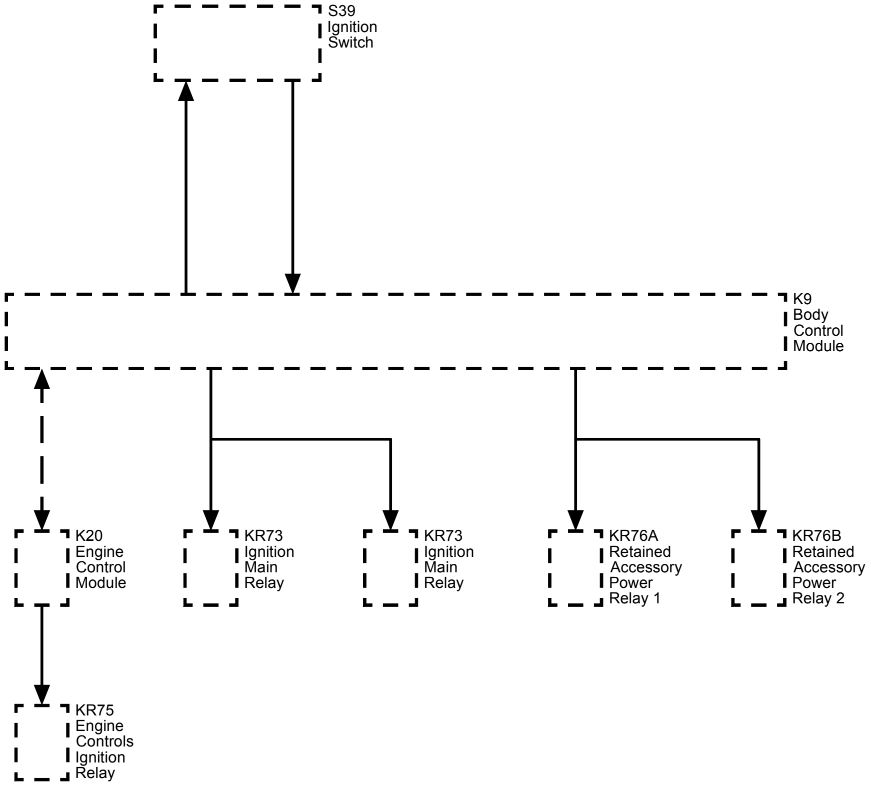
11	0.75	GY	295	II	-	Door Lock Actuator Lock Control	11	0.75	GY	295	V	-
12-15	-	-	-	-	-	Not Occupied	12-15	-	-	-	-	-
16	1	D-BU/BK	115	II	-	Right Rear Speaker Signal (-)	16	0.5 1	D-BU/BK D-BU/BK	115 115	VI	-
17	0.5	OG/VT	6624	II	-	Right Middle Side Impact Sensing Module Signal	17	0.35	OG/VT	6624	VI	-
18	0.5	BK/OG	6625	II	-	Right Middle Side Impact Sensing Module Low Reference	18	0.35	BK/OG	6625	VI	-
19	0.35	GY/BK	3268	III	-	Child Security Lock Motor Status Signal Right Rear	19	0.35	GY/BK	3268	VI	-
20	0.5	L-GN/GY	6135	II	-	Linear Interconnect Network Bus 4	20	0.5	L-GN/GY	6135	VI	-

Description and Operation

Power Mode Description and Operation

Serial Data Power Mode Master

Power Moding Description and Operation Block Diagram


S39 Ignition Switch
K9 Body Control Module
K20 Engine Control Module
KR73 Ignition Main Relay
KR73 Ignition Main Relay
KR76A Retained Accessory Power Relay 1
KR76B Retained Accessory Power Relay 2
KR75 Engine Controls Ignition Relay

Power to many of this vehicles circuits is controlled by the module that is designated the power mode master. This vehicles power mode master is the body control module (BCM). The BCM has multiple B+ circuits that feed into it. Each of those circuits are partitioned within the controller to drive certain outputs of the vehicle's body functions. An open or short in any one of the B+ circuits may induce multiple codes/or a section of non-functionality within the BCM with the rest of the BCM functioning normally. In this case it is useful to refer to the power distribution schematics to determine if the non-functional partition of the controller shares a common B+ circuit. The ignition switch is a low current switch with multiple discrete ignition switch signals to the power mode master for determination of the power mode that will be sent over the serial data circuits to the other modules that need this information. The power mode master will also activate relays and other direct outputs of the power mode master as needed. The power mode master determines which power mode (Off, Accessory, Run, Crank Request) is required, and reports this information to other modules via serial data. Modules which have switched voltage inputs may operate in a default mode if the power mode serial data message does not match what the individual module can see from its own connections.

The power mode master receives ignition switch signals to identify the operators desired power mode. The Power Mode Parameter tables below illustrate the correct state of these input parameters (circuits) in correspondence to the ignition switch position:

Power Mode Parameters

Ignition Switch Position	**Power Mode Transmitted**	**Ign. Off/Run/Crank (Off/Run Crank Voltage Circuit)**	**Ignition Accessory/Run (Accessory Voltage Circuit)**	**Ignition Run/Crank (Ignition 1 Voltage Circuit)**
Off Key Out	Off	Key Out / ACC	Inactive	Inactive
Off Key IN	Off	Key In / Off	Inactive	Inactive

Accessory	Accessory	Key Out / ACC	Active	Inactive
Run	Run	Run	Active	Active
Start	Crank Request	Crank	Inactive	Active

Relay Controlled Power Mode

The BCM uses the discrete ignition switch inputs Off/Run/Crank Voltage, Accessory Voltage, and Ignition 1 Voltage, to distinguish the correct power mode. The BCM, after determining the desired power mode, will activate the appropriate relays for that power mode.

The retained accessory power relay 1 and retained accessory power relay 2 remain on for a timed period after the Ignition key is removed. Refer to Retained Accessory Power Description and Operation for more information on the retained accessory power function.

Battery Saver Mode (Transport Mode)

Battery saver mode (transport mode) reduces the parasitic load of some modules during overseas shipment or during vehicle storage conditions. This improves the drain time on the battery (up to 70 days without the battery going dead). When a vehicle is in transport/storage, some features may have reduced functionality while in the battery saver mode, such as disabling keyless entry, afterblow, and content theft features. Battery saver mode is initiated by turning on the hazard flashers, applying the brake pedal, and then turning the ignition key to the start position or pushing the ignition mode switch with the foot on the brake for greater than 15 seconds. The mode is disengaged by repeating the previous process. The driver information center (if equipped) will display Transport Mode is On when battery saver mode is enabled and Transport Mode is Off when battery saver mode is disabled. For vehicles not equipped with a driver information center, the battery indicator light will constantly flash on the Instrument Cluster when battery saver mode is enabled. This feature can be used as many times as necessary if the vehicle is to be stored for an extended period of time.

BCM Awake/Sleep States

The BCM is able to control or perform all of the BCM functions in the awake state. The BCM enters the sleep state when active control or normal monitoring of system functions has stopped and a time limit has passed. The BCM must detect certain wake-up inputs before entering the awake state. The BCM monitors for these inputs during the sleep state.

The BCM will enter the awake state if any of the following wake-up inputs are detected:

- Activity on the serial data line
- Detection of a battery reconnect
- Any door open signal
- Headlamps ON
- Key-in-ignition
- Ignition ON
- Park lamps ON
- Keyless entry or remote start message

The BCM will enter a sleep state when all of the following conditions exist:

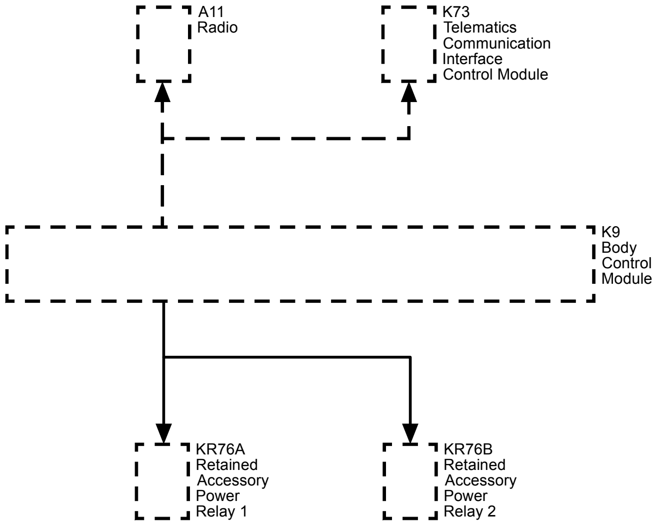
- The ignition switch is OFF, key out.
- Ignition OFF, transmitter is out of range
- No activity exists on the serial data line.
- No outputs are commanded.
- No delay timers are actively counting.
- No wake-up inputs are present.

If all these conditions are met, the BCM will enter a low power or sleep condition.

Retained Accessory Power Description and Operation

Retained Accessory Power

RAP Description and Operation Block Diagram



The body control module (BCM) monitors the ignition switch position, battery condition, and each door ajar/open switch status to determine whether the retained accessory power should be initiated or terminated. Retained accessory power is controlled by two different methods; relay control and serial data. Some modules receive a retained accessory power message from the BCM over the serial data circuits. Serial data controlled retained accessory power is deactivated as required by their modules retained accessory power mode operation. Other subsystems are activated directly by the BCM through a relay. Components and systems that are active in retained accessory power are also activated anytime the ignition is any position other than OFF regardless of the door switch signals.

Relay Controlled Retained Accessory Power

The BCM keeps the retained accessory power relay 1 and retained accessory power relay 2 energized during all power modes, except Off-Awake and Crank. The retained accessory power relay 1 and retained accessory power relay 2 are also energized for approximately 10 minutes after shutting the ignition OFF and removing the key, providing no door is opened.

Relay controlled retained accessory power will end when one of the following conditions is met:

- The BCM receives an input from any door ajar or open switch indicating the opening of any door after the ignition key is out of the ignition.

  Note: If the BCM is receiving any door ajar or open signal from those switches when the ignition key is turned OFF, retained accessory power will not initiate.

- The BCM internal timer for the retained accessory power expires after approximately 10 minutes.
- The BCM detects a decrease in battery capacity below a prescribed limit.

Systems powered by the retained accessory power relay 1 and retained accessory power relay 2 during the retained accessory power mode are as follows:

Note: The vehicle may not be equipped with all components as listed below.

- Accessory Power Receptacle
- Cigarette Lighter Receptacle
- Sunroof Control Module
- Sunroof Switch
- Sliding Rear Window Switch
- Mobile Device Wireless Charger Module

Serial Data Controlled Retained Accessory Power

Retained accessory power systems controlled by serial data are as follows:

Radio

Radio retained accessory power activation / termination is the same as relay operation with one exception; the only door switch that will turn off the radio during retained accessory power is the driver door open switch.

Vehicle Communication Interface Module (VCIM) (Onstar®) (If Equipped)

VCIM RAP activation/termination is the same as radio operation with 1 exception; if there is an active call when the ignition key is turned off the VCIM will remain in RAP mode, and keep the radio in RAP mode until the call is terminated.

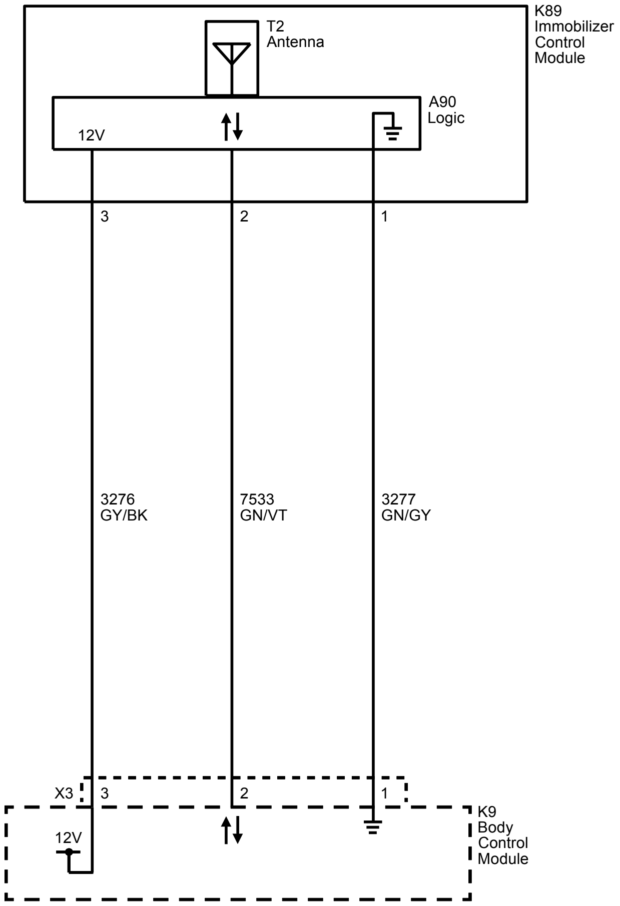
Safety and Security

Immobilizer

Schematic and Routing Diagrams

Immobilizer Schematics

Immobilizer

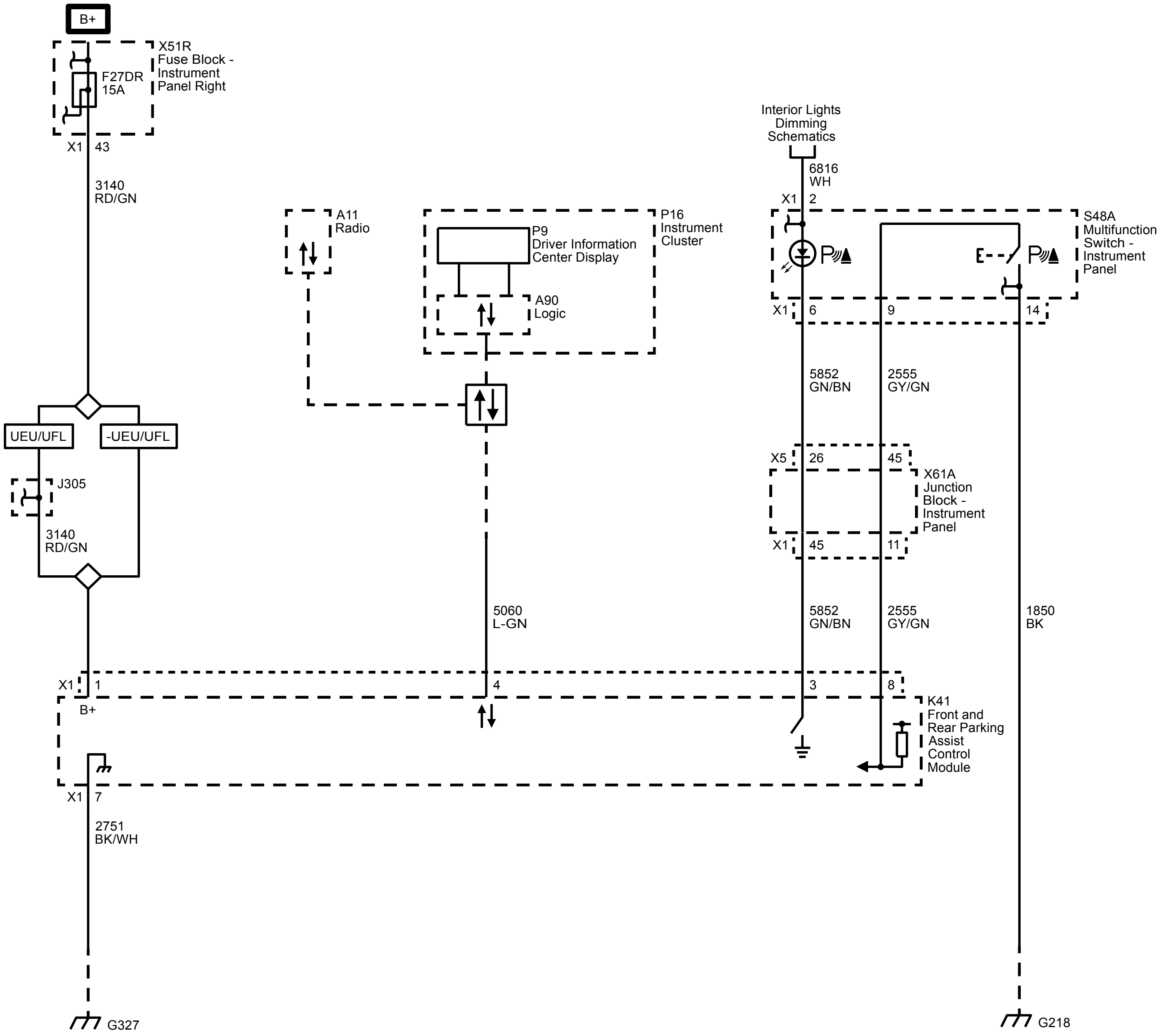

T2
Antenna
K89
Immobilizer
Control
Module
A90
Logic
12V
3
2
1
3276
GY/BK
7533
GN/VT
3277
GN/GY
X3
3
2
1
12V
K9
Body
Control
Module

Object Detection and Pedestrian Protection

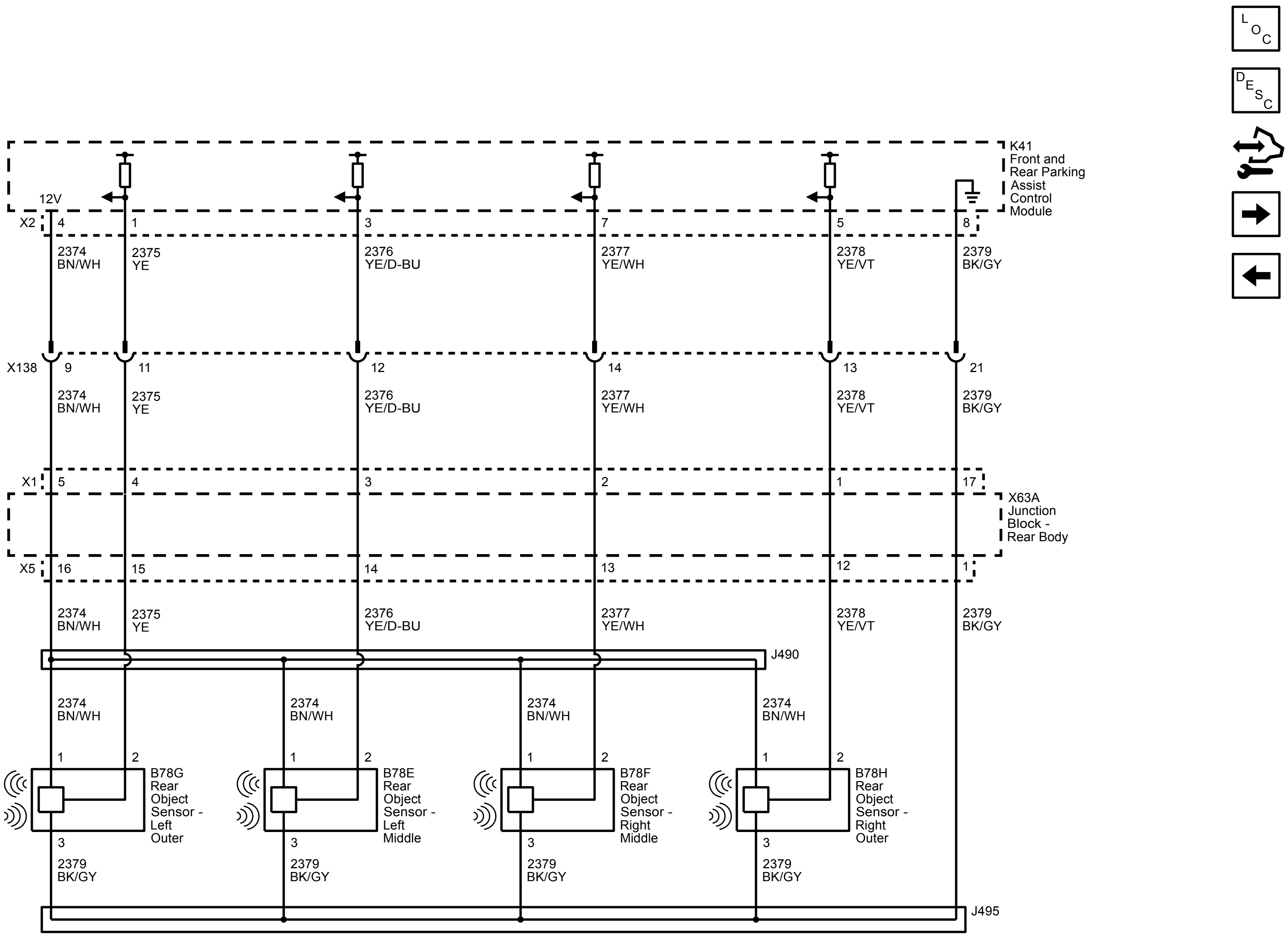
Schematic and Routing Diagrams

Object Detection Schematics

Park Assist - Power, Ground, Serial Data and Control (UD7 or UD5)

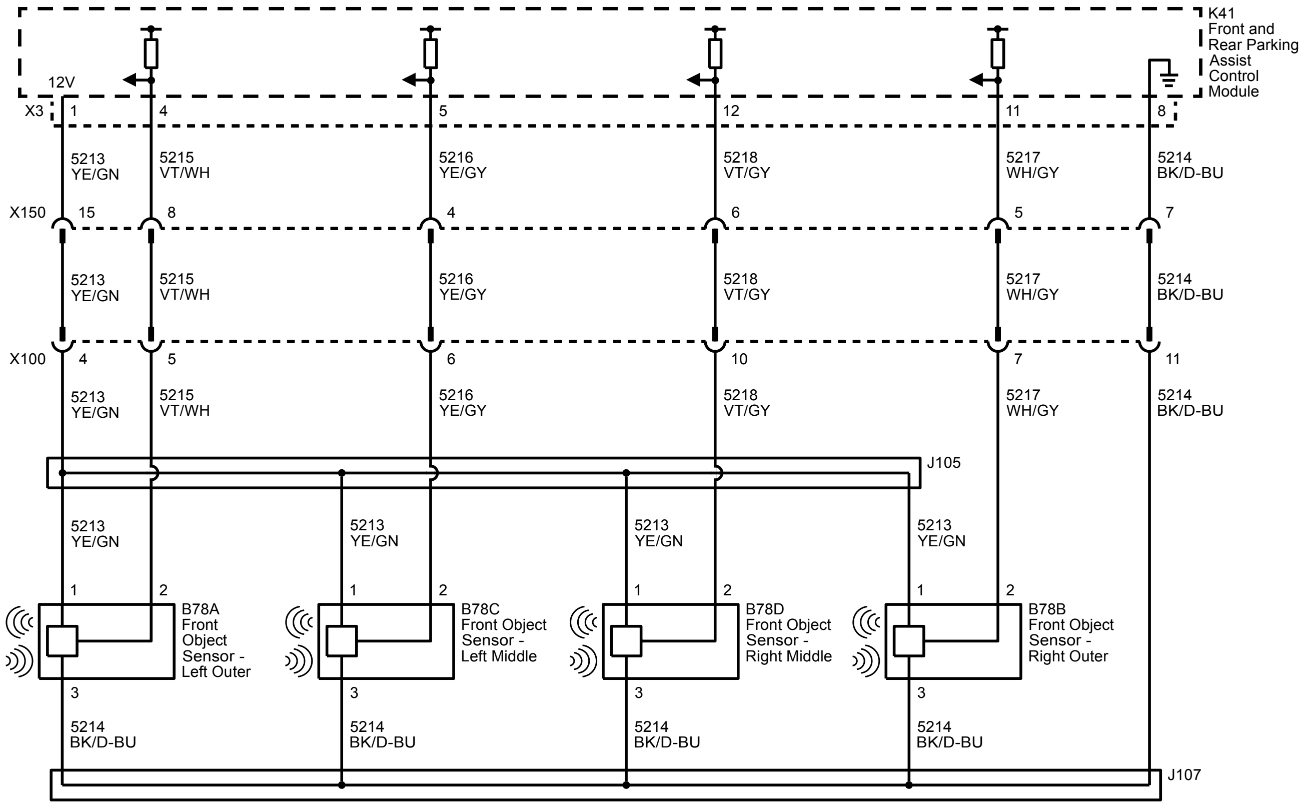

B+
X51R
Fuse Block -
Instrument
Panel Right
F27DR
15A
X1 43
3140
RD/GN
A11
Radio
P9
Driver Information
Center Display
P16
Instrument
Cluster
A90
Logic
Interior Lights
Dimming
Schematics
6816
WH
X1 2
S48A
Multifunction
Switch -
Instrument
Panel
X1 6 9 14
5852
GN/BN
2555
GY/GN
UEU/UFL
-UEU/UFL
J305
3140
RD/GN
X5 26 45
X61A
Junction
Block -
Instrument
Panel
X1 45 11
5060
L-GN
5852
GN/BN
2555
GY/GN
1850
BK
X1 1
4
3
8
B+
K41
Front and
Rear Parking
Assist
Control
Module
X1 7
2751
BK/WH
G327
G218

Park Assist - Rear Sensors (UD7 or UD5)

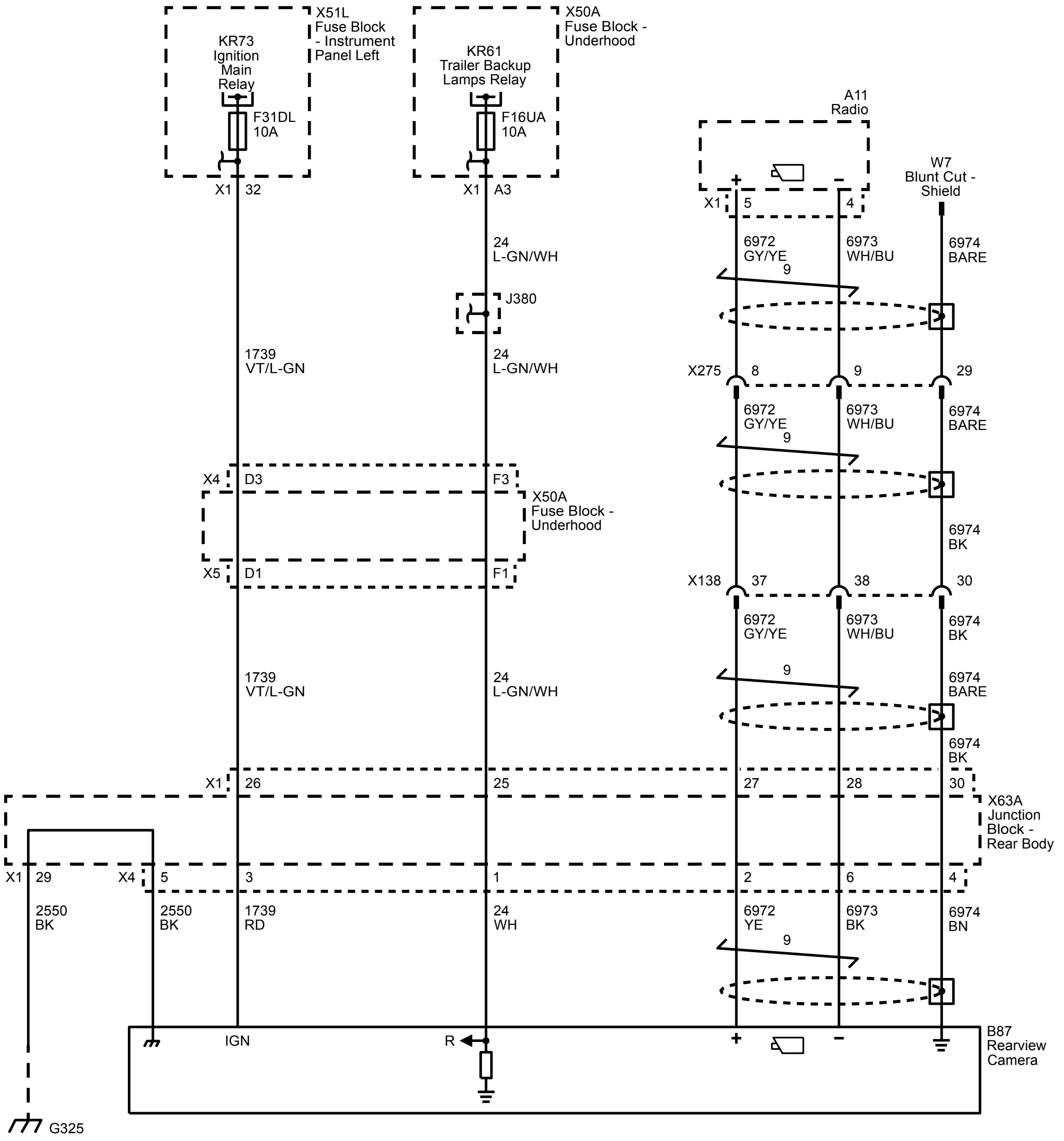

K41
Front and
Rear Parking
Assist
Control
Module
12V
X2
4
1
3
7
5
8
2374
BN/WH
2375
YE
2376
YE/D-BU
2377
YE/WH
2378
YE/VT
2379
BK/GY
X138
9
11
12
14
13
21
X1
5
4
3
2
1
17
X63A
Junction
Block -
Rear Body
X5
16
15
14
13
12
1
J490
B78G
Rear
Object
Sensor -
Left
Outer
B78E
Rear
Object
Sensor -
Left
Middle
B78F
Rear
Object
Sensor -
Right
Middle
B78H
Rear
Object
Sensor -
Right
Outer
J495
LOC
DESC

2015 CHEVROLET SILVERADO/GMC SIERRA
ELECTRICAL SECTION

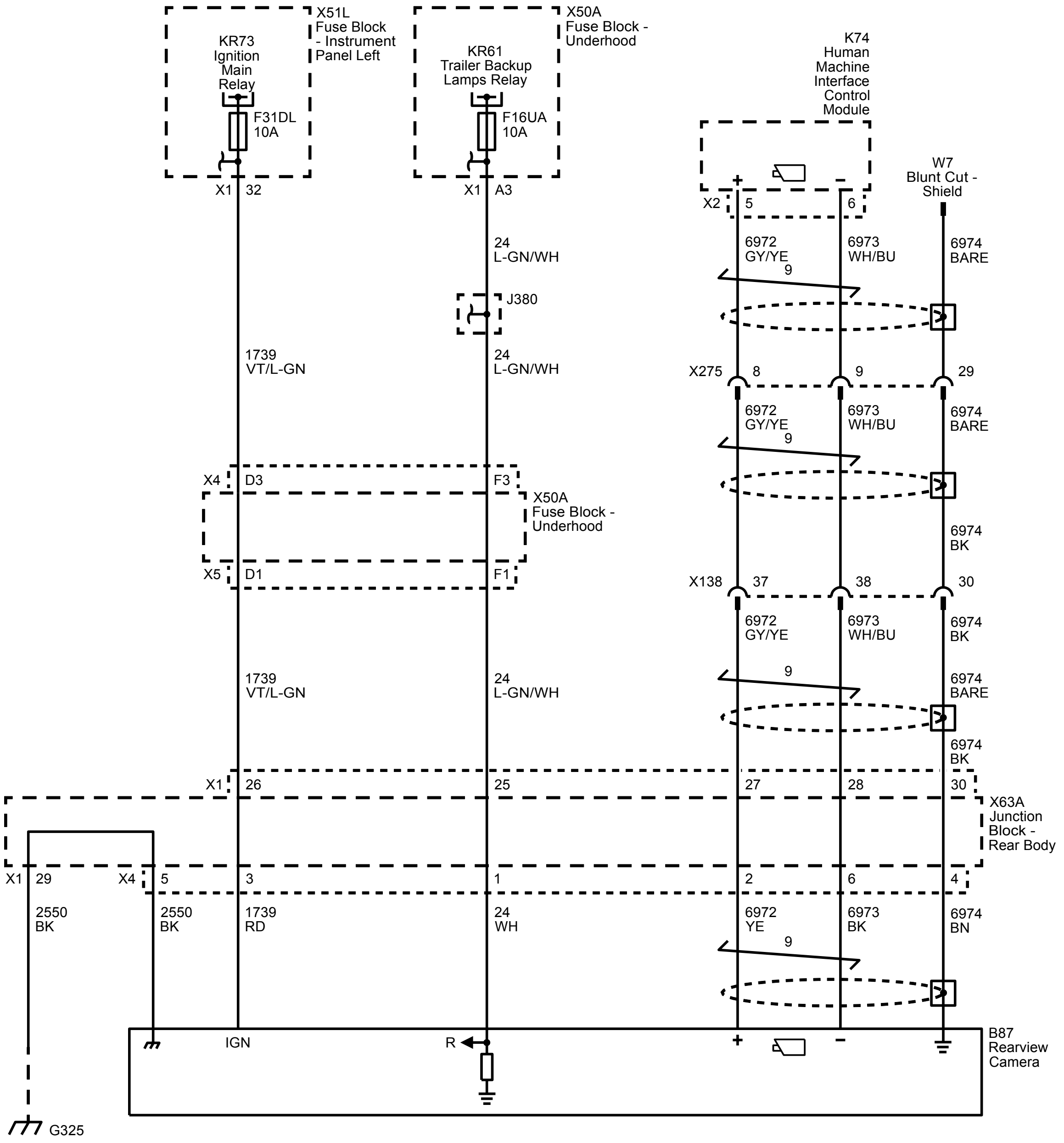
Park Assist - Front Sensors (UD5)


K41
Front and
Rear Parking
Assist
Control
Module
12V
X3
1
4
5
12
11
8
5213
YE/GN
5215
VT/WH
5216
YE/GY
5218
VT/GY
5217
WH/GY
5214
BK/D-BU
X150
15
8
4
6
5
7
X100
4
5
6
10
7
11
J105
J107
1
2
3
B78A
Front
Object
Sensor -
Left Outer
B78C
Front Object
Sensor -
Left Middle
B78D
Front Object
Sensor -
Right Middle
B78B
Front Object
Sensor -
Right Outer

Rearview Camera (UVC with IO3)


X51L
Fuse Block - Instrument Panel Left
KR73
Ignition Main Relay
F31DL
10A
X1
32
X50A
Fuse Block - Underhood
KR61
Trailer Backup Lamps Relay
F16UA
10A
X1
A3
A11
Radio
X1
5
4
W7
Blunt Cut - Shield
6972
GY/YE
6973
WH/BU
6974
BARE
9
24
L-GN/WH
J380
1739
VT/L-GN
24
L-GN/WH
X275
8
9
29
6972
GY/YE
6973
WH/BU
6974
BARE
9
X4
D3
F3
X50A
Fuse Block - Underhood
X5
D1
F1
6974
BK
X138
37
38
30
6972
GY/YE
6973
WH/BU
6974
BK
9
6974
BARE
6974
BK
1739
VT/L-GN
24
L-GN/WH
X1
26
25
27
28
30
X63A
Junction Block - Rear Body
X1
29
X4
5
3
1
2
6
4
2550
BK
2550
BK
1739
RD
24
WH
6972
YE
6973
BK
6974
BN
9
IGN
R
+
−
B87
Rearview Camera
G325

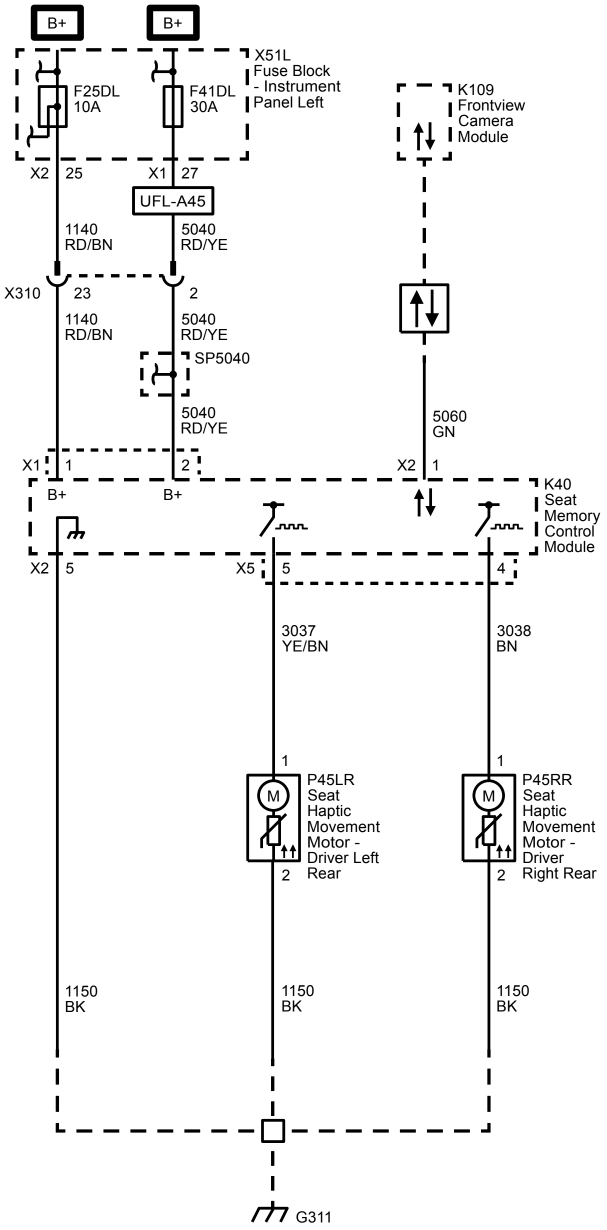
Rearview Camera (UVC with IO4, IO5 or IO6)



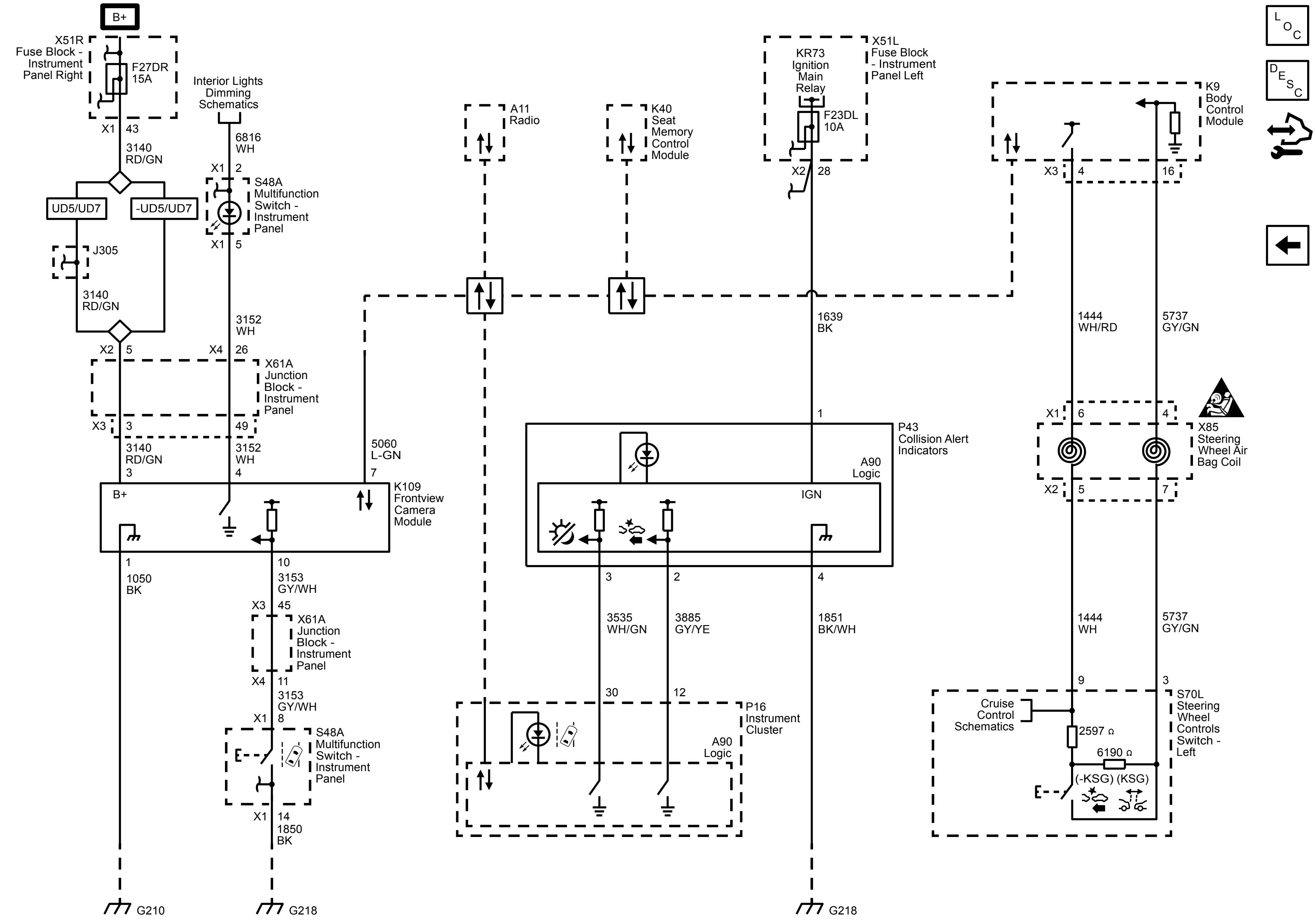
X51L
Fuse Block - Instrument Panel Left
KR73
Ignition Main Relay
F31DL
10A
X1 32
X50A
Fuse Block - Underhood
KR61
Trailer Backup Lamps Relay
F16UA
10A
X1 A3
K74
Human Machine Interface Control Module
+
-
X2 5
6
W7
Blunt Cut - Shield
24
L-GN/WH
J380
6972
GY/YE
6973
WH/BU
9
6974
BARE
1739
VT/L-GN
24
L-GN/WH
X275 8
9
29
6972
GY/YE
6973
WH/BU
9
6974
BARE
X4 D3
F3
X50A
Fuse Block - Underhood
X5 D1
F1
6974
BK
X138 37
38
30
6972
GY/YE
6973
WH/BU
6974
BK
1739
VT/L-GN
24
L-GN/WH
9
6974
BARE
6974
BK
X1 26
25
27
28
30
X63A
Junction Block - Rear Body
X1 29
X4 5
3
1
2
6
4
2550
BK
2550
BK
1739
RD
24
WH
6972
YE
6973
BK
9
6974
BN
IGN
R
+
-
B87
Rearview Camera
G325

LOC
DESC

Safety Alert Seat (UEU or UFL)


B+
B+
X51L
Fuse Block
- Instrument
Panel Left
F25DL
10A
F41DL
30A
K109
Frontview
Camera
Module
X2 25
X1 27
UFL-A45
1140
RD/BN
5040
RD/YE
X310 23
2
1140
RD/BN
5040
RD/YE
SP5040
5040
RD/YE
5060
GN
X1 1
2
X2 1
B+
B+
K40
Seat
Memory
Control
Module
X2 5
X5 5
4
3037
YE/BN
3038
BN
1
M
P45LR
Seat
Haptic
Movement
Motor -
Driver Left
Rear
2
1
M
P45RR
Seat
Haptic
Movement
Motor -
Driver
Right Rear
2
1150
BK
1150
BK
1150
BK
G311

Lane Departure Warning (UFL) and Forward Collision Alert (UEU)

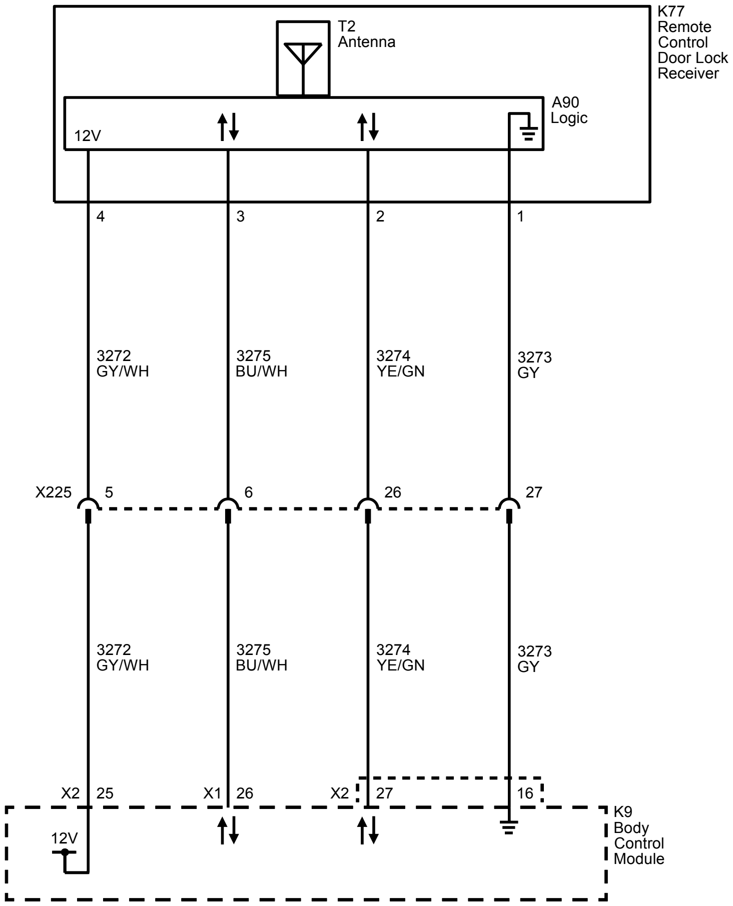

B+
X51R
Fuse Block - Instrument Panel Right
F27DR 15A
X1 43
3140 RD/GN
UD5/UD7
-UD5/UD7
J305
3140 RD/GN
X2 5
Interior Lights Dimming Schematics
6816 WH
X1 2
S48A Multifunction Switch - Instrument Panel
X1 5
3152 WH
X4 26
X61A Junction Block - Instrument Panel
X3 3
49
3140 RD/GN
3
3152 WH
4
5060 L-GN
7
K109 Frontview Camera Module
B+
1
1050 BK
10
3153 GY/WH
X3 45
X61A Junction Block - Instrument Panel
X4 11
3153 GY/WH
X1 8
S48A Multifunction Switch - Instrument Panel
X1 14
1850 BK
G210
G218
A11 Radio
K40 Seat Memory Control Module
KR73 Ignition Main Relay
X51L Fuse Block - Instrument Panel Left
F23DL 10A
X2 28
1639 BK
1
P43 Collision Alert Indicators
A90 Logic
IGN
3
2
4
3535 WH/GN
3885 GY/YE
1851 BK/WH
30
12
P16 Instrument Cluster
A90 Logic
G218
K9 Body Control Module
X3 4
16
1444 WH/RD
5737 GY/GN
X1 6
4
X85 Steering Wheel Air Bag Coil
X2 5
7
1444 WH
5737 GY/GN
9
3
S70L Steering Wheel Controls Switch - Left
Cruise Control Schematics
2597 Ω
6190 Ω
(-KSG) (KSG)
L O C
D E S C

Remote Functions

Schematic and Routing Diagrams

Remote Function Schematics

Keyless Entry



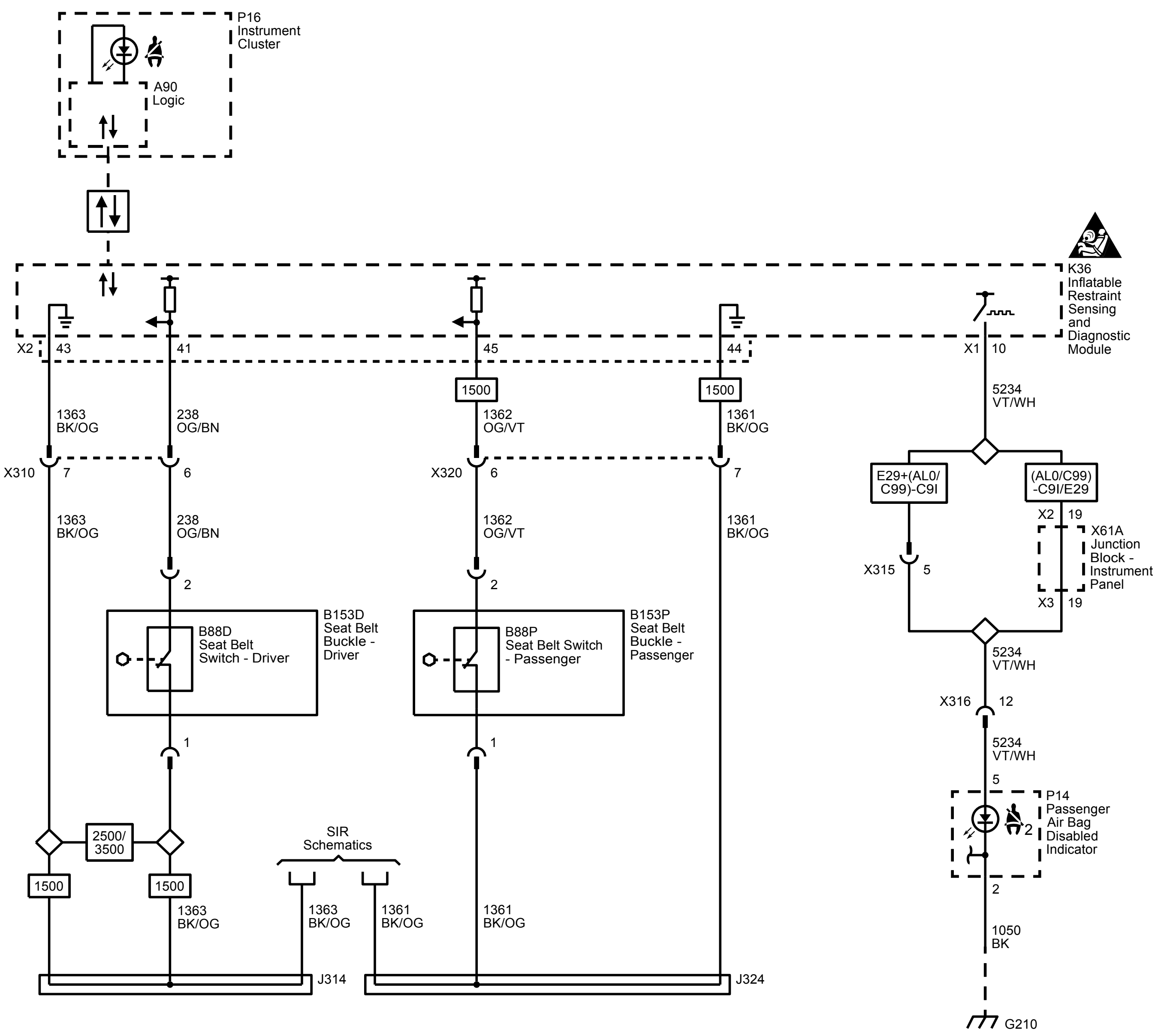
T2
Antenna
K77
Remote
Control
Door Lock
Receiver
A90
Logic
12V
4
3
2
1
3272
GY/WH
3275
BU/WH
3274
YE/GN
3273
GY
X225
5
6
26
27
3272
GY/WH
3275
BU/WH
3274
YE/GN
3273
GY
X2
25
X1
26
X2
27
16
12V
K9
Body
Control
Module

Seat Belts

Schematic and Routing Diagrams

Seat Belt Schematics

Seat Belts


P16
Instrument
Cluster
A90
Logic
K36
Inflatable
Restraint
Sensing
and
Diagnostic
Module
X2
43
41
45
44
X1
10
1500
1500
1363
BK/OG
238
OG/BN
1362
OG/VT
1361
BK/OG
5234
VT/WH
X310
7
6
X320
6
7
E29+(AL0/
C99)-C9I
(AL0/C99)
-C9I/E29
X2
19
X61A
Junction
Block -
Instrument
Panel
X3
19
X315
5
1363
BK/OG
238
OG/BN
1362
OG/VT
1361
BK/OG
2
2
B88D
Seat Belt
Switch - Driver
B153D
Seat Belt
Buckle -
Driver
B88P
Seat Belt Switch
- Passenger
B153P
Seat Belt
Buckle -
Passenger
5234
VT/WH
X316
12
5234
VT/WH
5
P14
Passenger
Air Bag
Disabled
Indicator
2
1
1
SIR
Schematics
2500/
3500
1500
1500
1363
BK/OG
1363
BK/OG
1361
BK/OG
1361
BK/OG
2
1050
BK
J314
J324
G210

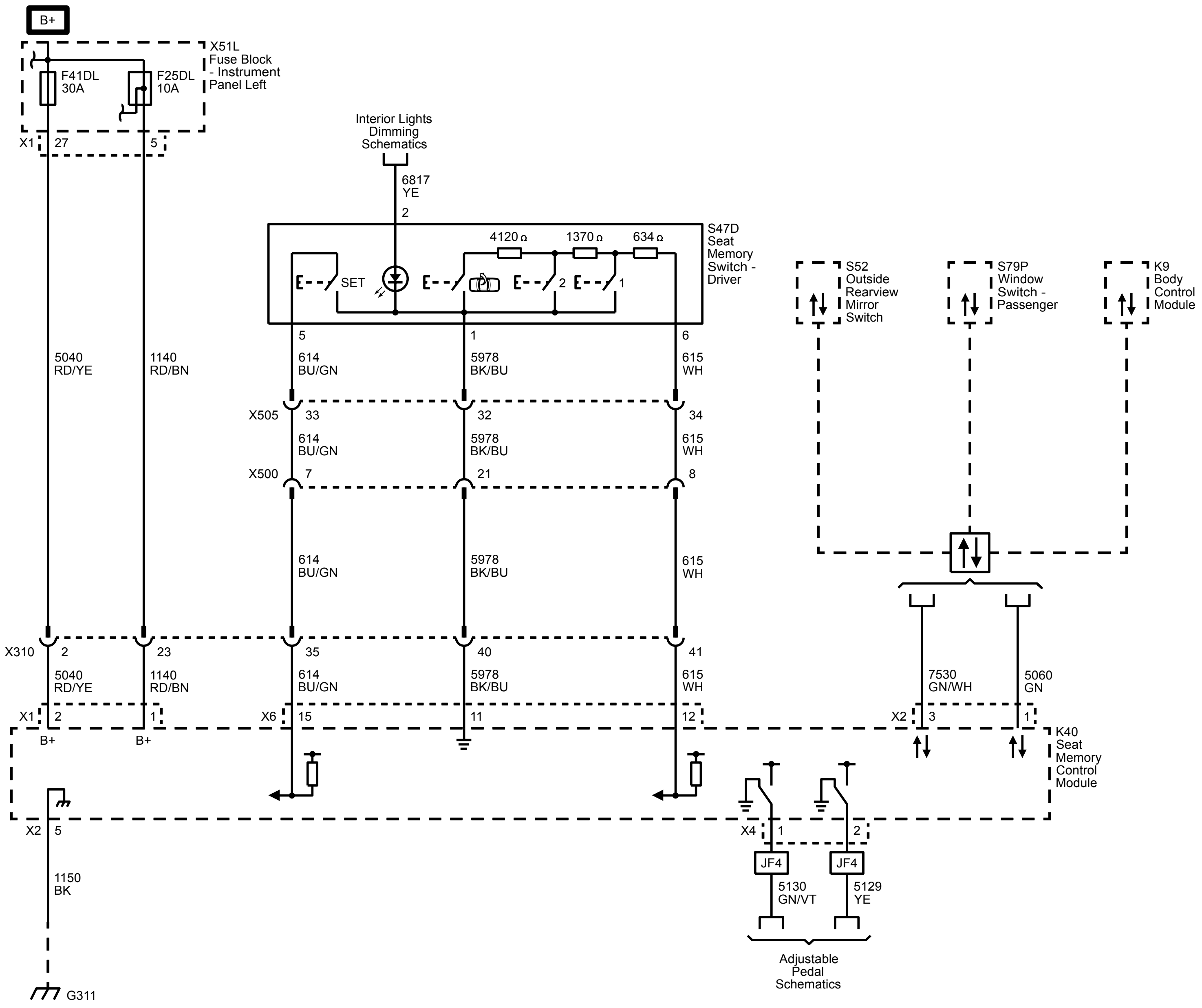
Seats

Power Seats

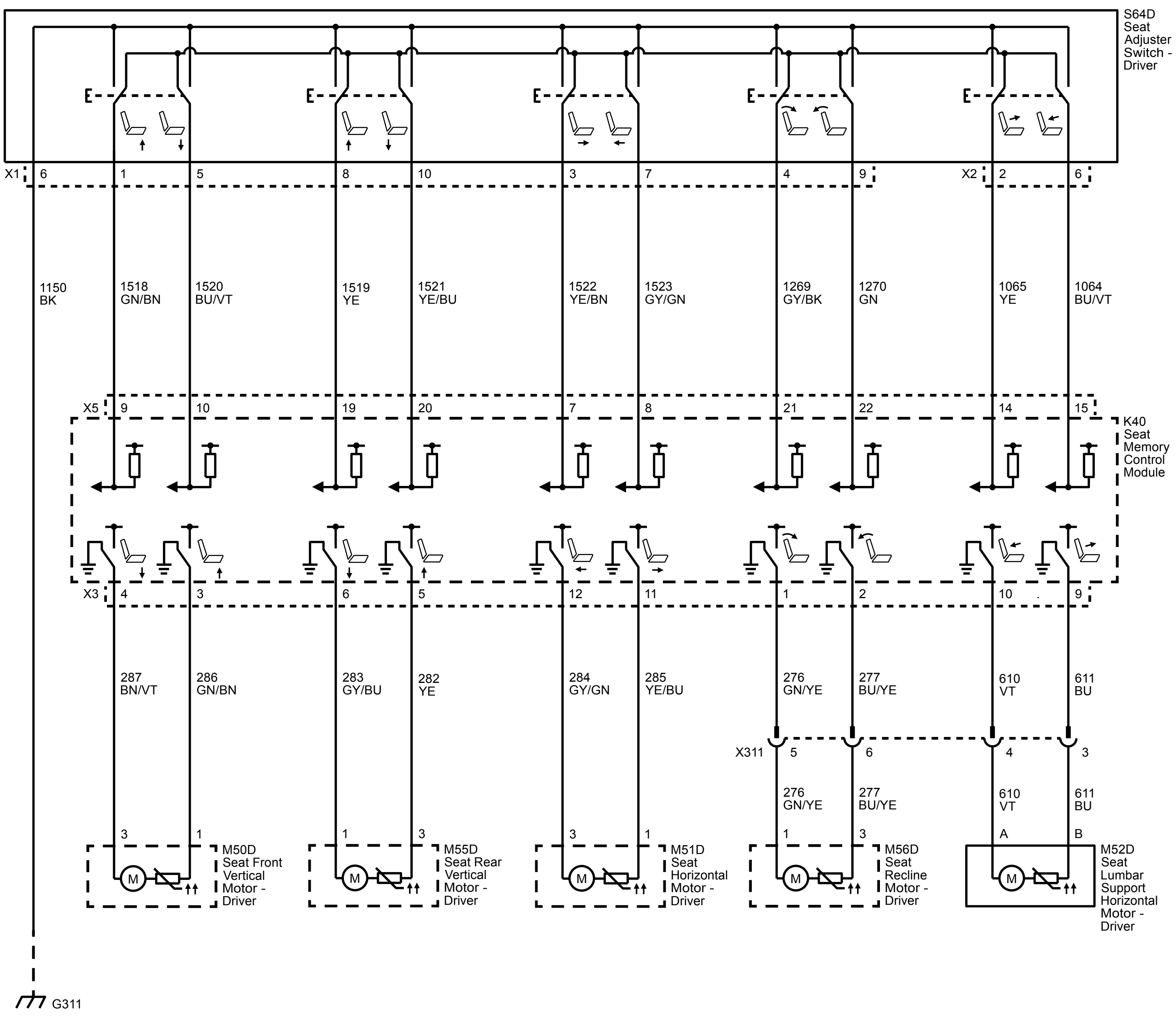
Schematic and Routing Diagrams

Driver Seat Schematics

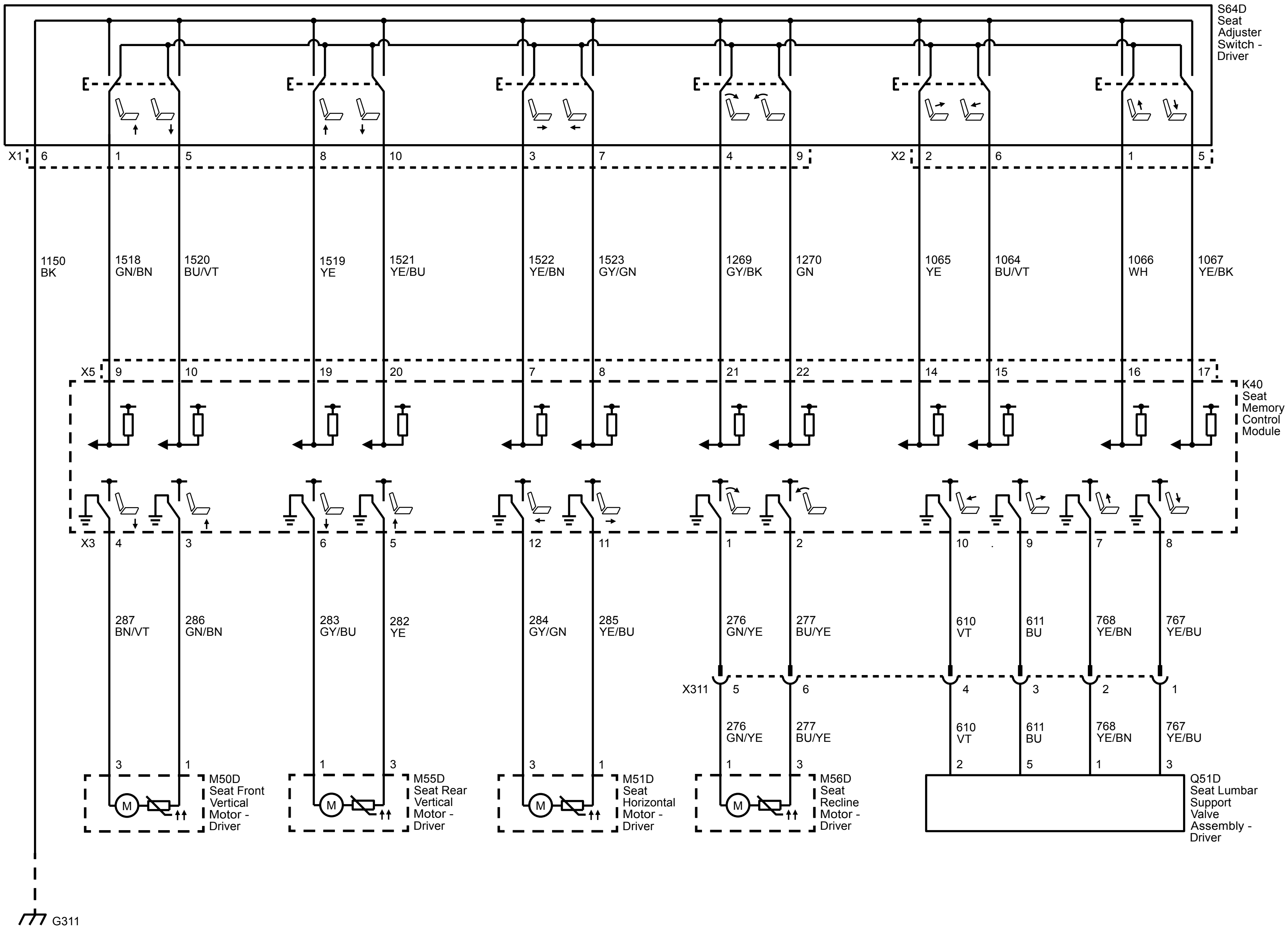
Power, Ground, Serial Data and Memory Switch (A45)


B+
X51L
Fuse Block
- Instrument
Panel Left
F41DL
30A
F25DL
10A
X1
27
5
Interior Lights
Dimming
Schematics
6817
YE
2
4120 Ω
1370 Ω
634 Ω
S47D
Seat
Memory
Switch -
Driver
SET
2
1
5
1
6
S52
Outside
Rearview
Mirror
Switch
S79P
Window
Switch -
Passenger
K9
Body
Control
Module
5040
RD/YE
1140
RD/BN
614
BU/GN
5978
BK/BU
615
WH
X505
33
32
34
X500
7
21
8
7530
GN/WH
5060
GN
X310
2
23
35
40
41
X1
2
1
X6
15
11
12
X2
3
1
B+
B+
K40
Seat
Memory
Control
Module
X2
5
X4
1
2
JF4
JF4
1150
BK
5130
GN/VT
5129
YE
Adjustable
Pedal
Schematics
G311

Controls and Motors (A45 without GAJ or Y91)

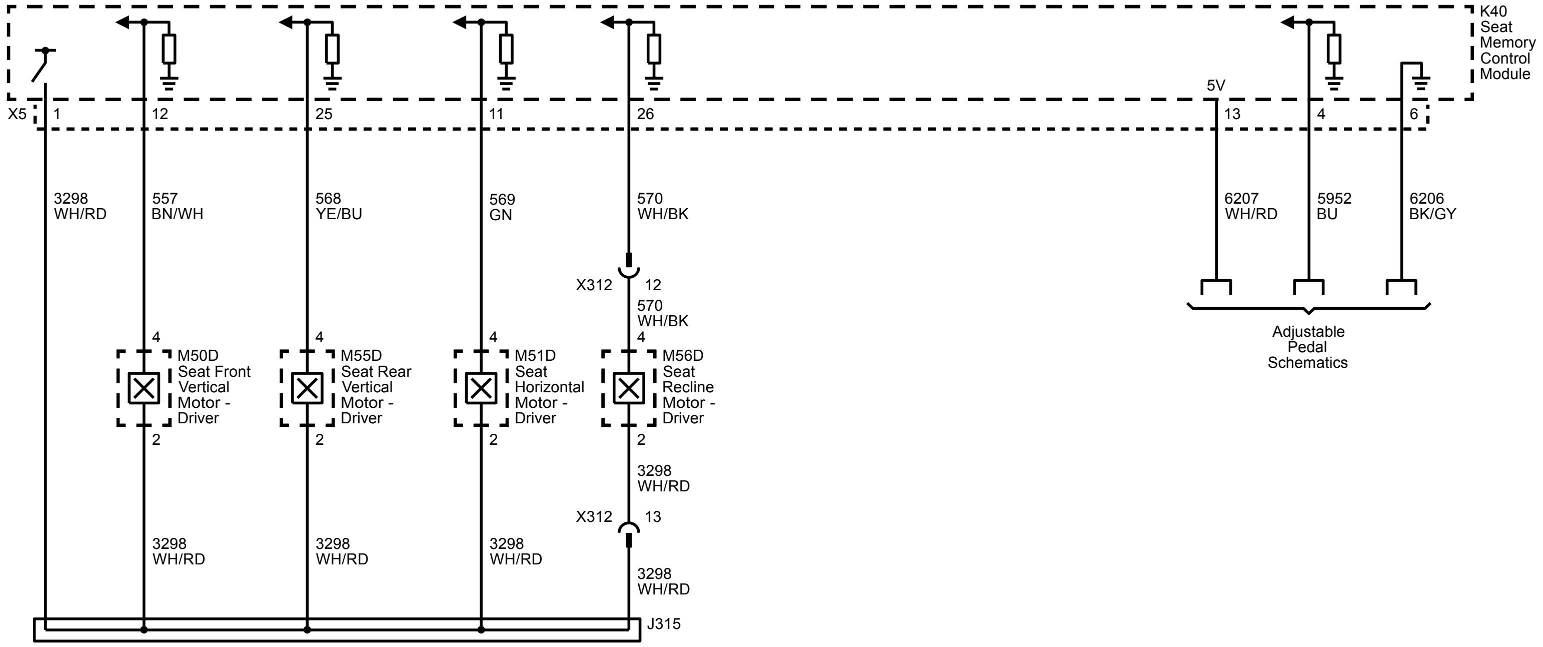

S64D
Seat
Adjuster
Switch -
Driver
X1
6
1
5
8
10
3
7
4
9
X2
2
6
1150
BK
1518
GN/BN
1520
BU/VT
1519
YE
1521
YE/BU
1522
YE/BN
1523
GY/GN
1269
GY/BK
1270
GN
1065
YE
1064
BU/VT
X5
9
10
19
20
7
8
21
22
14
15
K40
Seat
Memory
Control
Module
X3
4
3
6
5
12
11
1
2
10
9
287
BN/VT
286
GN/BN
283
GY/BU
282
YE
284
GY/GN
285
YE/BU
276
GN/YE
277
BU/YE
610
VT
611
BU
X311
5
6
4
3
276
GN/YE
277
BU/YE
610
VT
611
BU
3
1
1
3
3
1
1
3
A
B
M
M50D
Seat Front
Vertical
Motor -
Driver
M55D
Seat Rear
Vertical
Motor -
Driver
M51D
Seat
Horizontal
Motor -
Driver
M56D
Seat
Recline
Motor -
Driver
M52D
Seat
Lumbar
Support
Horizontal
Motor -
Driver
G311

Controls and Motors (A45 with GAJ or Y91)

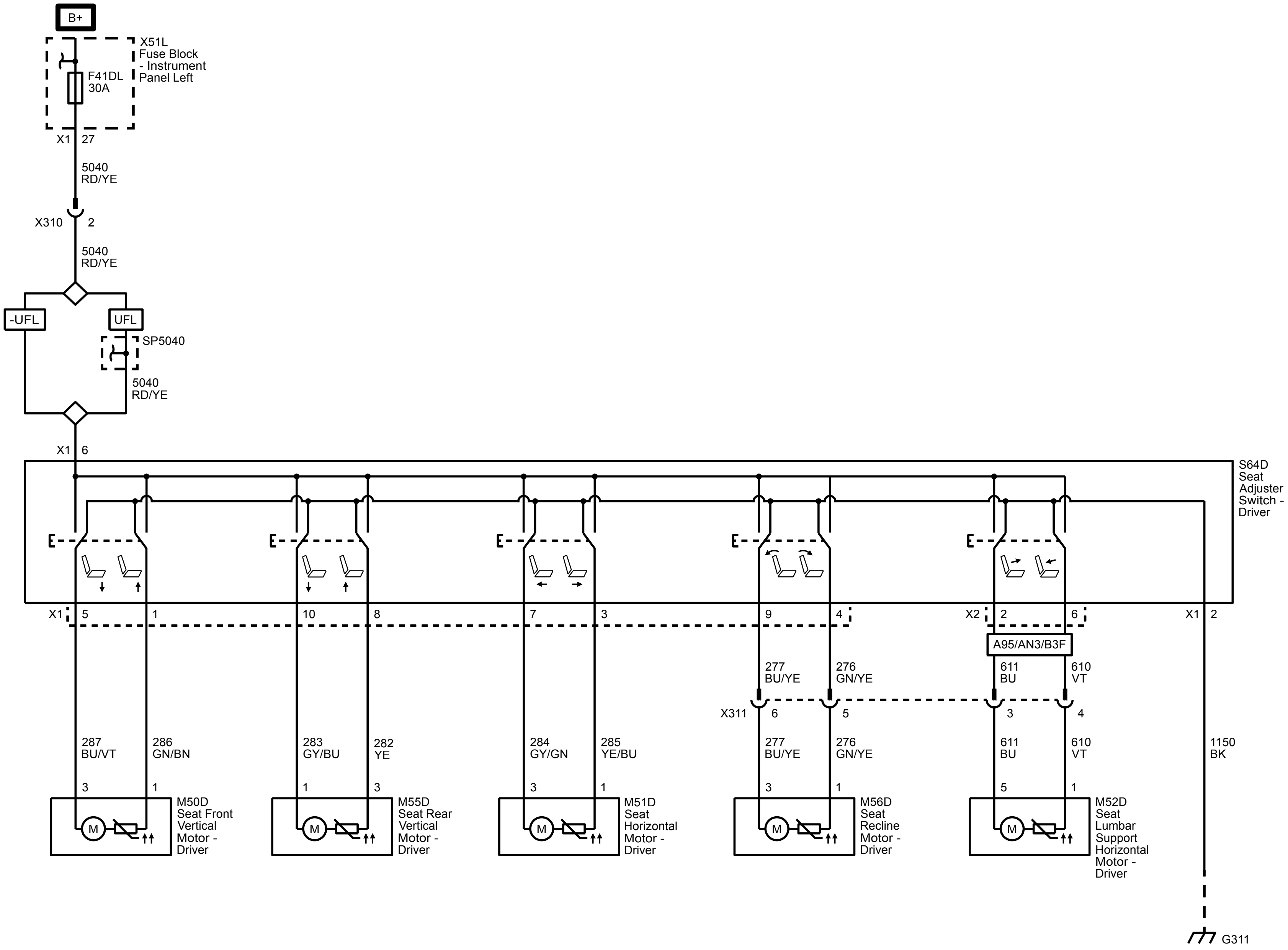

S64D Seat Adjuster Switch - Driver
X1
6
1
5
8
10
3
7
4
9
X2
2
6
1
5
1150 BK
1518 GN/BN
1520 BU/VT
1519 YE
1521 YE/BU
1522 YE/BN
1523 GY/GN
1269 GY/BK
1270 GN
1065 YE
1064 BU/VT
1066 WH
1067 YE/BK
X5
9
10
19
20
7
8
21
22
14
15
16
17
K40 Seat Memory Control Module
X3
4
3
6
5
12
11
1
2
10
9
7
8
287 BN/VT
286 GN/BN
283 GY/BU
282 YE
284 GY/GN
285 YE/BU
276 GN/YE
277 BU/YE
610 VT
611 BU
768 YE/BN
767 YE/BU
X311
5
6
4
3
2
1
276 GN/YE
277 BU/YE
610 VT
611 BU
768 YE/BN
767 YE/BU
3
1
1
3
3
1
1
3
2
5
1
3
M
M50D Seat Front Vertical Motor - Driver
M
M55D Seat Rear Vertical Motor - Driver
M
M51D Seat Horizontal Motor - Driver
M
M56D Seat Recline Motor - Driver
Q51D Seat Lumbar Support Valve Assembly - Driver
G311

Position Sensors (A45)

LOC
DESC

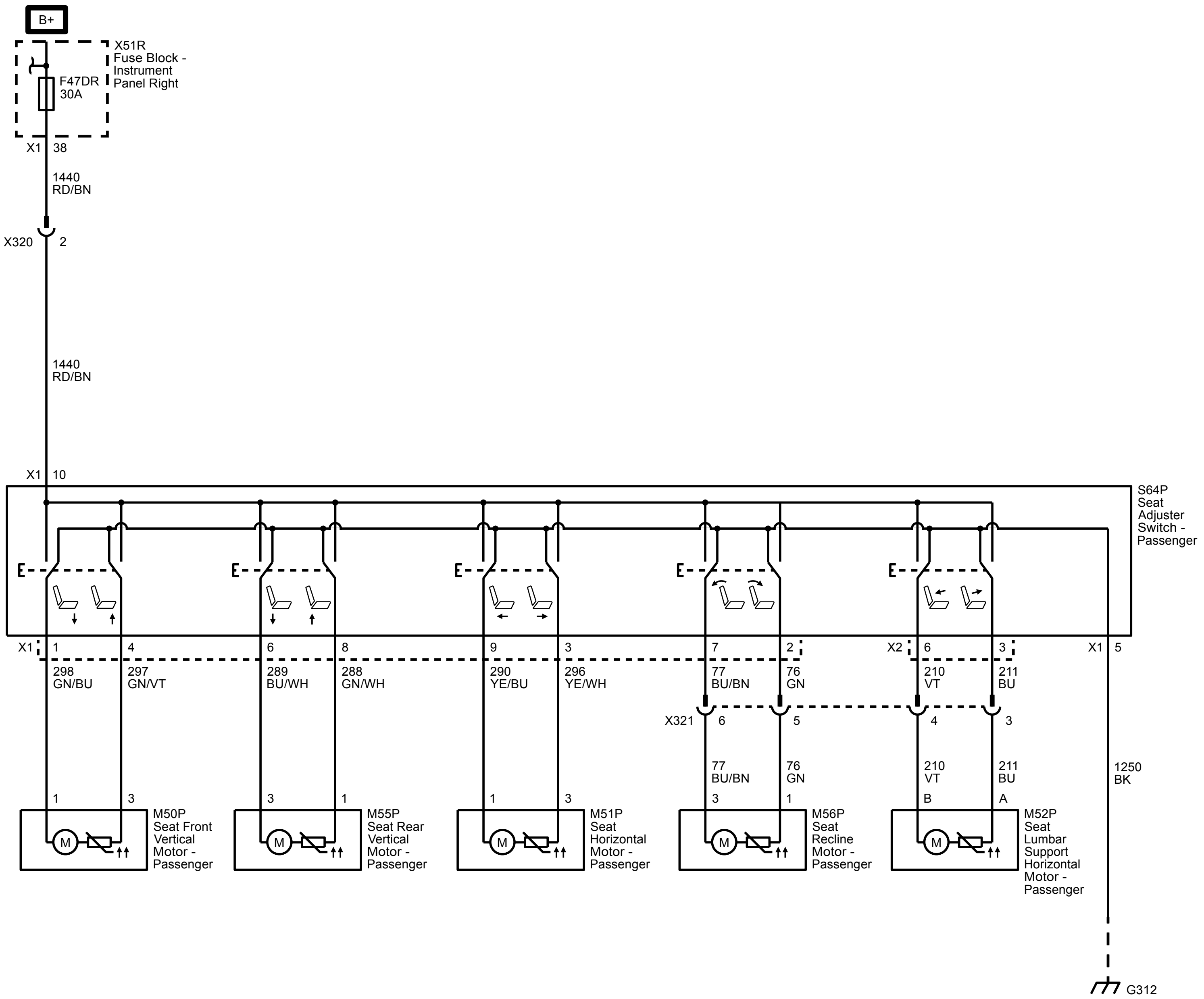

K40
Seat
Memory
Control
Module
X5
1
12
25
11
26
5V
13
4
6
3298
WH/RD
557
BN/WH
568
YE/BU
569
GN
570
WH/BK
6207
WH/RD
5952
BU
6206
BK/GY
X312
12
570
WH/BK
Adjustable
Pedal
Schematics
4
M50D
Seat Front
Vertical
Motor -
Driver
4
M55D
Seat Rear
Vertical
Motor -
Driver
4
M51D
Seat
Horizontal
Motor -
Driver
4
M56D
Seat
Recline
Motor -
Driver
2
2
2
2
3298
WH/RD
X312
13
3298
WH/RD
3298
WH/RD
3298
WH/RD
3298
WH/RD
J315

Power Seat (without A45)

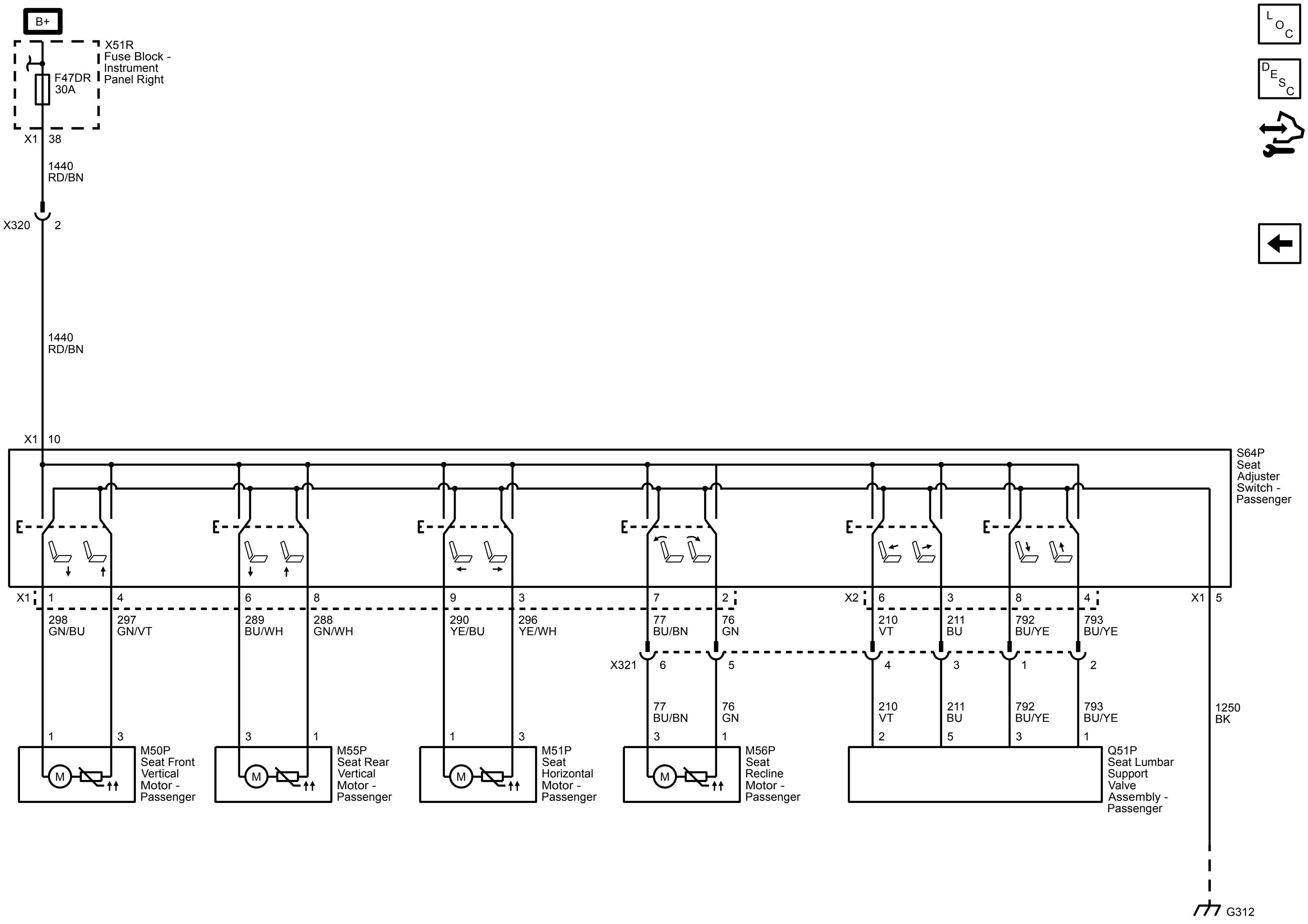

B+
X51L
Fuse Block
- Instrument
Panel Left
F41DL
30A
X1 27
5040
RD/YE
X310 2
5040
RD/YE
-UFL
UFL
SP5040
5040
RD/YE
X1 6
S64D
Seat
Adjuster
Switch -
Driver
X1 5
1
10
8
7
3
9
4
X2 2
6
X1 2
A95/AN3/B3F
277
BU/YE
276
GN/YE
611
BU
610
VT
X311 6
5
3
4
287
BU/VT
286
GN/BN
283
GY/BU
282
YE
284
GY/GN
285
YE/BU
277
BU/YE
276
GN/YE
611
BU
610
VT
1150
BK
3
1
1
3
3
1
3
1
5
1
M
M50D
Seat Front
Vertical
Motor -
Driver
M
M55D
Seat Rear
Vertical
Motor -
Driver
M
M51D
Seat
Horizontal
Motor -
Driver
M
M56D
Seat
Recline
Motor -
Driver
M
M52D
Seat
Lumbar
Support
Horizontal
Motor -
Driver
G311

Passenger Seat Schematics

Power Seat (without GAJ or Y91)


B+
X51R
Fuse Block -
Instrument
Panel Right
F47DR
30A
X1
38
1440
RD/BN
X320
2
1440
RD/BN
X1
10
S64P
Seat
Adjuster
Switch -
Passenger
X1
1
4
6
8
9
3
7
2
X2
6
3
X1
5
298
GN/BU
297
GN/VT
289
BU/WH
288
GN/WH
290
YE/BU
296
YE/WH
77
BU/BN
76
GN
210
VT
211
BU
X321
6
5
4
3
77
BU/BN
76
GN
210
VT
211
BU
1250
BK
1
3
3
1
1
3
3
1
B
A
M
M50P
Seat Front
Vertical
Motor -
Passenger
M55P
Seat Rear
Vertical
Motor -
Passenger
M51P
Seat
Horizontal
Motor -
Passenger
M56P
Seat
Recline
Motor -
Passenger
M52P
Seat
Lumbar
Support
Horizontal
Motor -
Passenger
G312

Power Seat (GAJ or Y91)

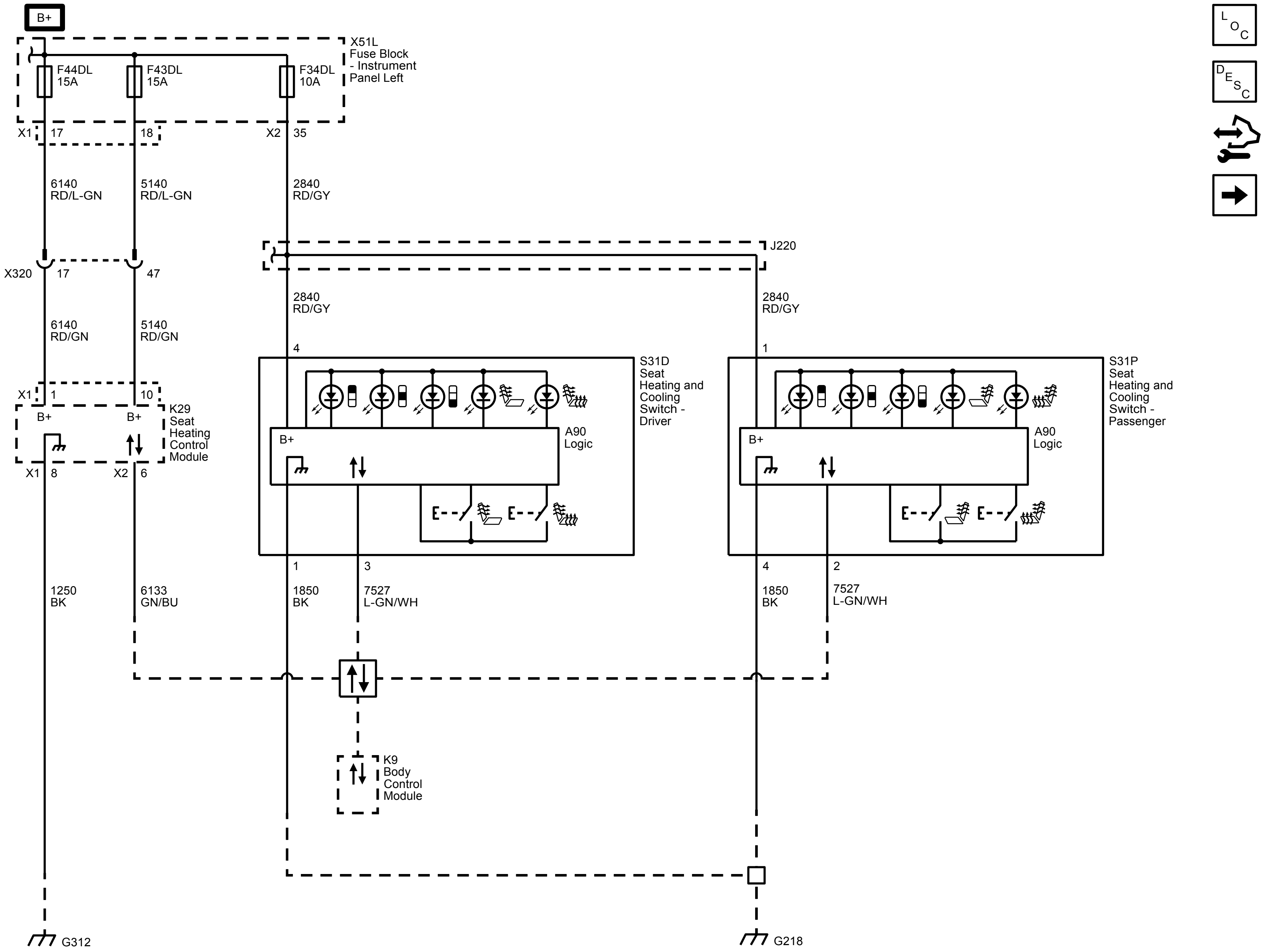

B+
X51R
Fuse Block -
Instrument
Panel Right
F47DR
30A
X1 38
1440
RD/BN
X320 2
1440
RD/BN
X1 10
S64P
Seat
Adjuster
Switch -
Passenger
X1 1
298
GN/BU
4
297
GN/VT
6
289
BU/WH
8
288
GN/WH
9
290
YE/BU
3
296
YE/WH
7
77
BU/BN
2
76
GN
X2 6
210
VT
3
211
BU
8
792
BU/YE
4
793
BU/YE
X1 5
1250
BK
X321 6
5
4
3
1
2
77
BU/BN
76
GN
210
VT
211
BU
792
BU/YE
793
BU/YE
1
3
M
M50P
Seat Front
Vertical
Motor -
Passenger
3
1
M
M55P
Seat Rear
Vertical
Motor -
Passenger
1
3
M
M51P
Seat
Horizontal
Motor -
Passenger
3
1
M
M56P
Seat
Recline
Motor -
Passenger
2
5
3
1
Q51P
Seat Lumbar
Support
Valve
Assembly -
Passenger
G312

Seat Heating and Cooling

Schematic and Routing Diagrams

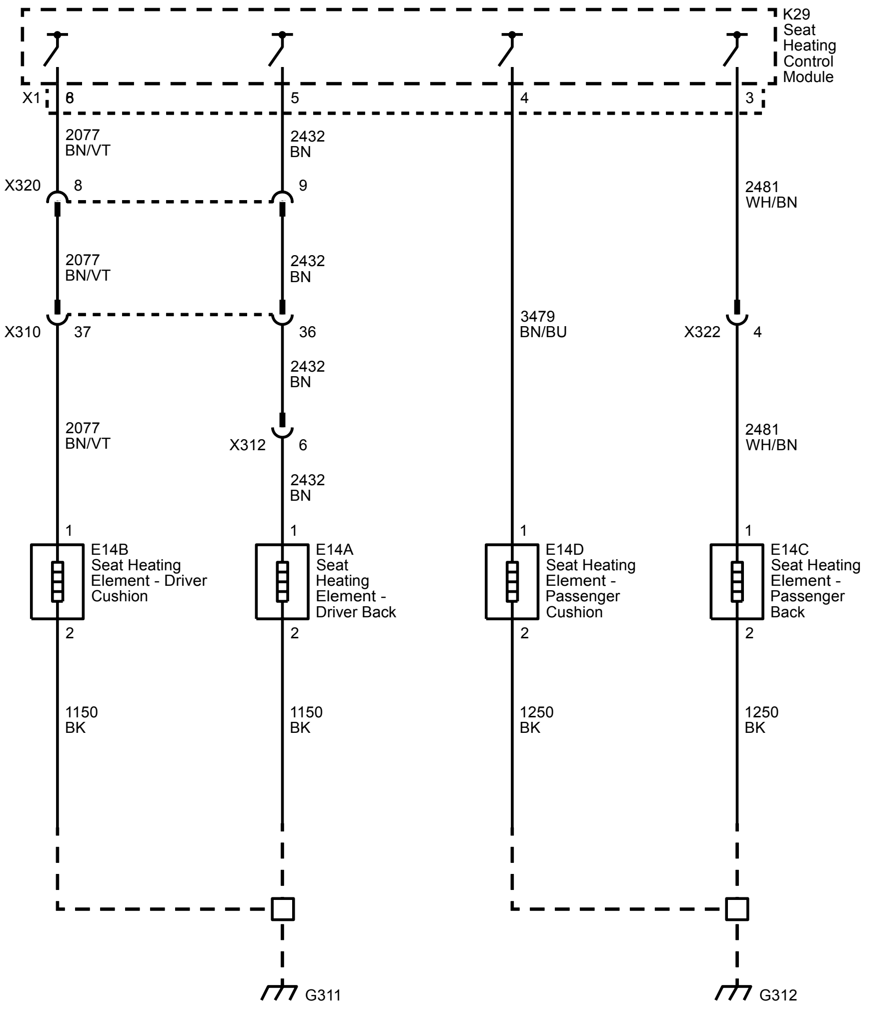
Heated/Cooled Seat Schematics

Power, Ground, Serial Data and Switches (KA1)

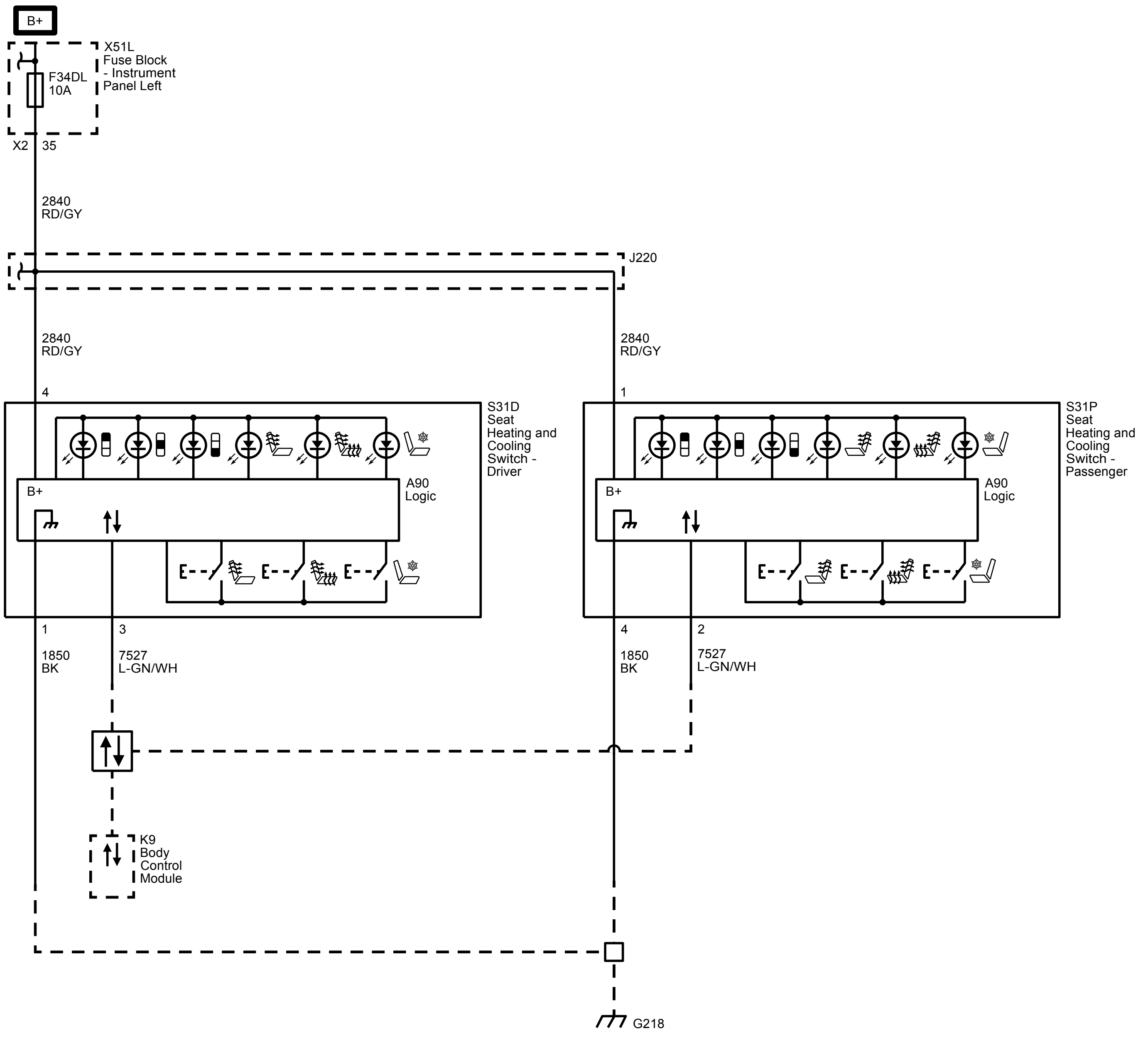


B+
X51L
Fuse Block
- Instrument
Panel Left
F44DL
15A
F43DL
15A
F34DL
10A
X1
17
18
X2
35
6140
RD/L-GN
5140
RD/L-GN
2840
RD/GY
J220
X320
17
47
2840
RD/GY
2840
RD/GY
6140
RD/GN
5140
RD/GN
4
1
S31D
Seat
Heating and
Cooling
Switch -
Driver
S31P
Seat
Heating and
Cooling
Switch -
Passenger
A90
Logic
A90
Logic
B+
B+
X1
1
10
B+
B+
K29
Seat
Heating
Control
Module
X1
8
X2
6
1
3
4
2
1250
BK
6133
GN/BU
1850
BK
7527
L-GN/WH
1850
BK
7527
L-GN/WH
K9
Body
Control
Module
G312
G218

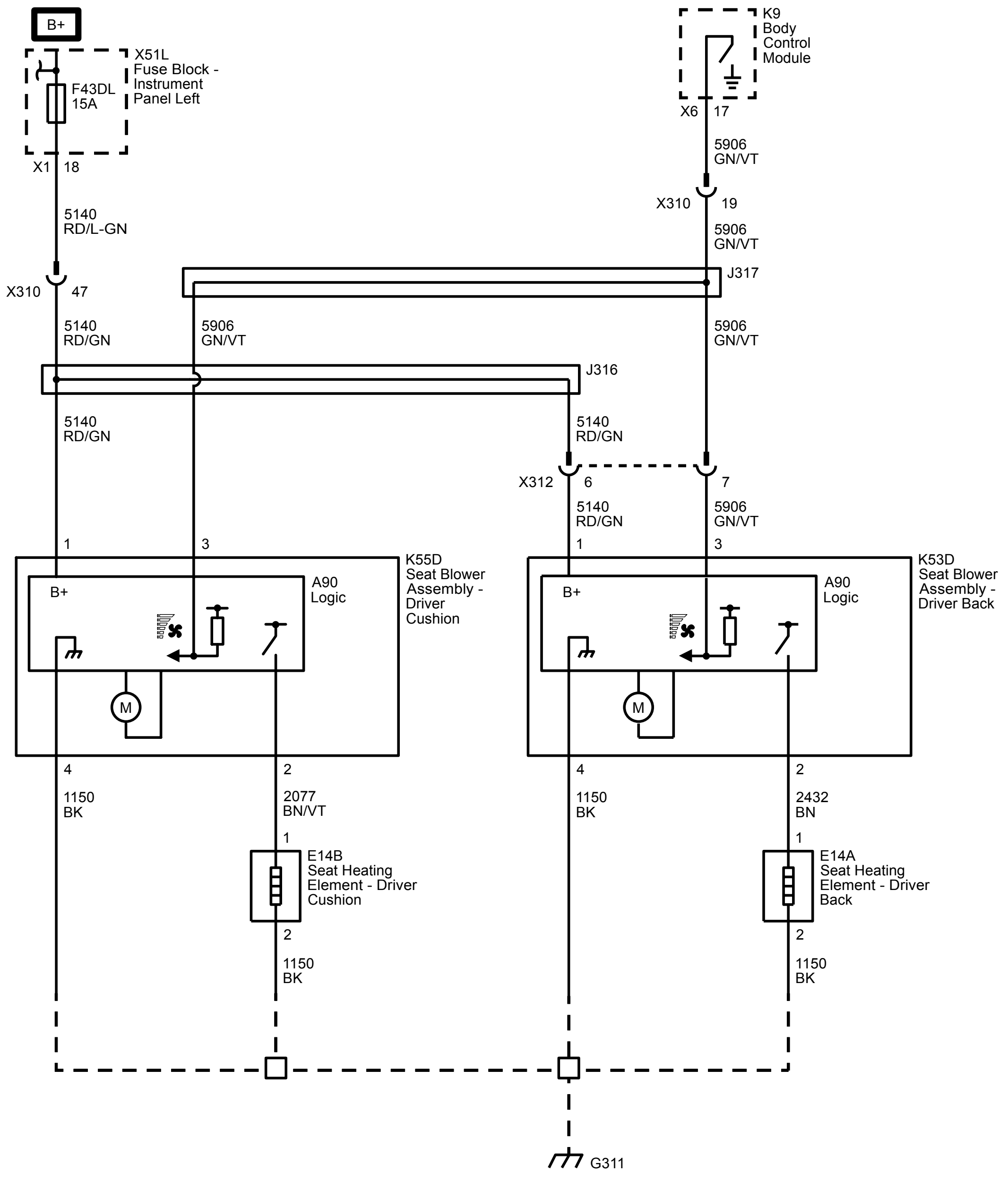
Heating Elements (KA1)


K29
Seat
Heating
Control
Module
X1
8
5
4
3
2077
BN/VT
2432
BN
X320
8
9
2481
WH/BN
2077
BN/VT
2432
BN
X310
37
36
3479
BN/BU
X322
4
2432
BN
X312
6
2077
BN/VT
2481
WH/BN
2432
BN
1
E14B
Seat Heating
Element - Driver
Cushion
2
1
E14A
Seat
Heating
Element -
Driver Back
2
1
E14D
Seat Heating
Element -
Passenger
Cushion
2
1
E14C
Seat Heating
Element -
Passenger
Back
2
1150
BK
1150
BK
1250
BK
1250
BK
G311
G312

LOC
DESC
➡
⬅


B+
X51L
Fuse Block
- Instrument
Panel Left
F34DL
10A
X2
35
2840
RD/GY
J220
2840
RD/GY
2840
RD/GY
4
S31D
Seat
Heating and
Cooling
Switch -
Driver
A90
Logic
B+
1
S31P
Seat
Heating and
Cooling
Switch -
Passenger
A90
Logic
B+
1
1850
BK
3
7527
L-GN/WH
4
1850
BK
2
7527
L-GN/WH
K9
Body
Control
Module
G218

Driver Seat (KB6)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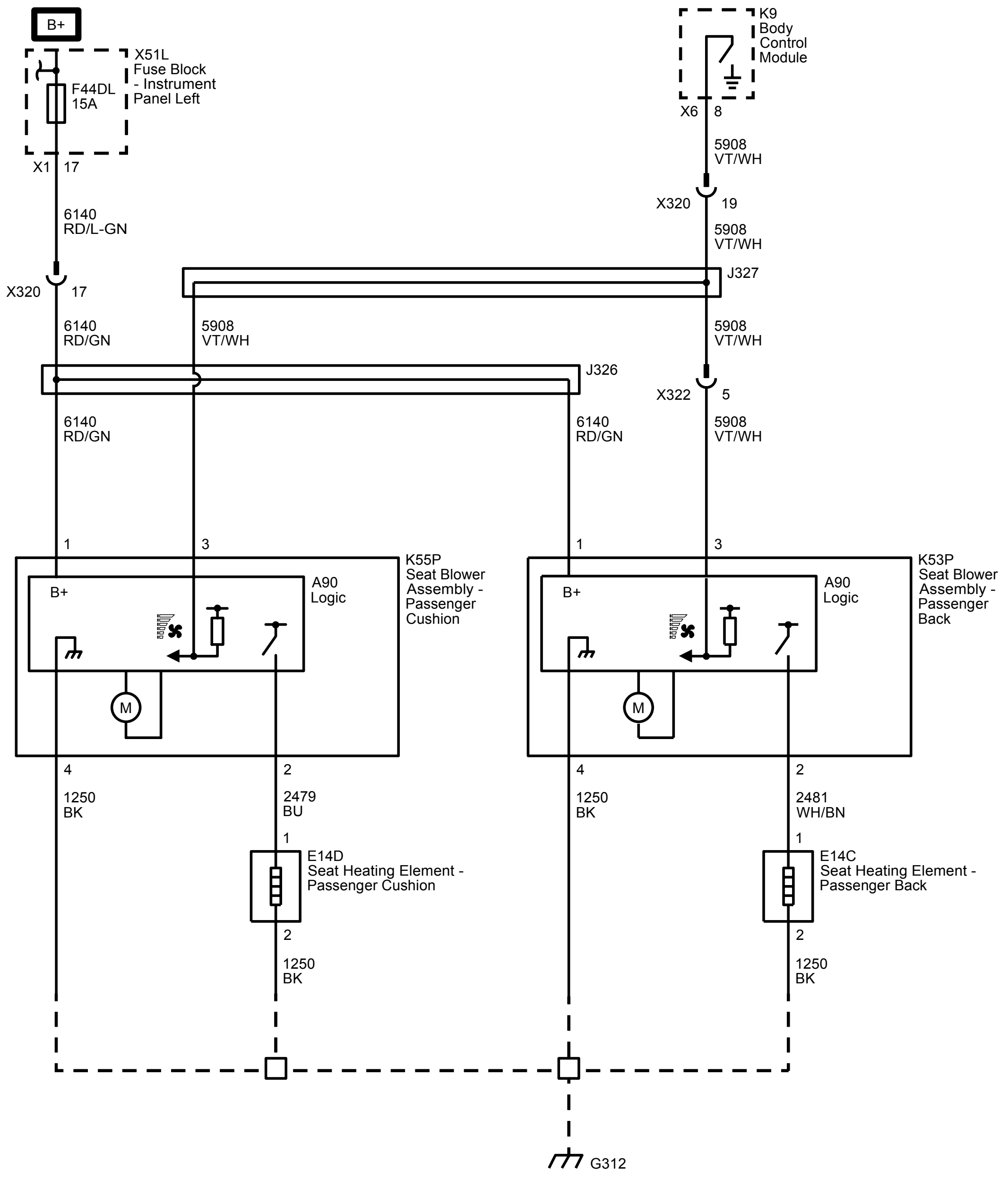
X51L
Fuse Block -
Instrument
Panel Left
F43DL
15A
X1
18
5140
RD/L-GN
X310
47
5140
RD/GN
5906
GN/VT
J316
5140
RD/GN
K9
Body
Control
Module
X6
17
5906
GN/VT
X310
19
5906
GN/VT
J317
5906
GN/VT
5140
RD/GN
X312
6
7
5140
RD/GN
5906
GN/VT
1
3
B+
A90
Logic
K55D
Seat Blower
Assembly -
Driver
Cushion
M
4
1150
BK
2
2077
BN/VT
1
E14B
Seat Heating
Element - Driver
Cushion
2
1150
BK
1
3
B+
A90
Logic
K53D
Seat Blower
Assembly -
Driver Back
M
4
1150
BK
2
2432
BN
1
E14A
Seat Heating
Element - Driver
Back
2
1150
BK
G311

Passenger Seat (KB6)


B+
X51L
Fuse Block - Instrument Panel Left
F44DL
15A
X1 17
6140
RD/L-GN
X320 17
6140
RD/GN
K9
Body Control Module
X6 8
5908
VT/WH
X320 19
5908
VT/WH
J327
5908
VT/WH
5908
VT/WH
X322 5
J326
6140
RD/GN
6140
RD/GN
5908
VT/WH
1
3
1
3
B+
A90
Logic
K55P
Seat Blower Assembly - Passenger Cushion
B+
A90
Logic
K53P
Seat Blower Assembly - Passenger Back
M
M
4
1250
BK
2
2479
BU
1
E14D
Seat Heating Element - Passenger Cushion
2
1250
BK
4
1250
BK
2
2481
WH/BN
1
E14C
Seat Heating Element - Passenger Back
2
1250
BK
G312

Steering

Power Steering

Schematic and Routing Diagrams

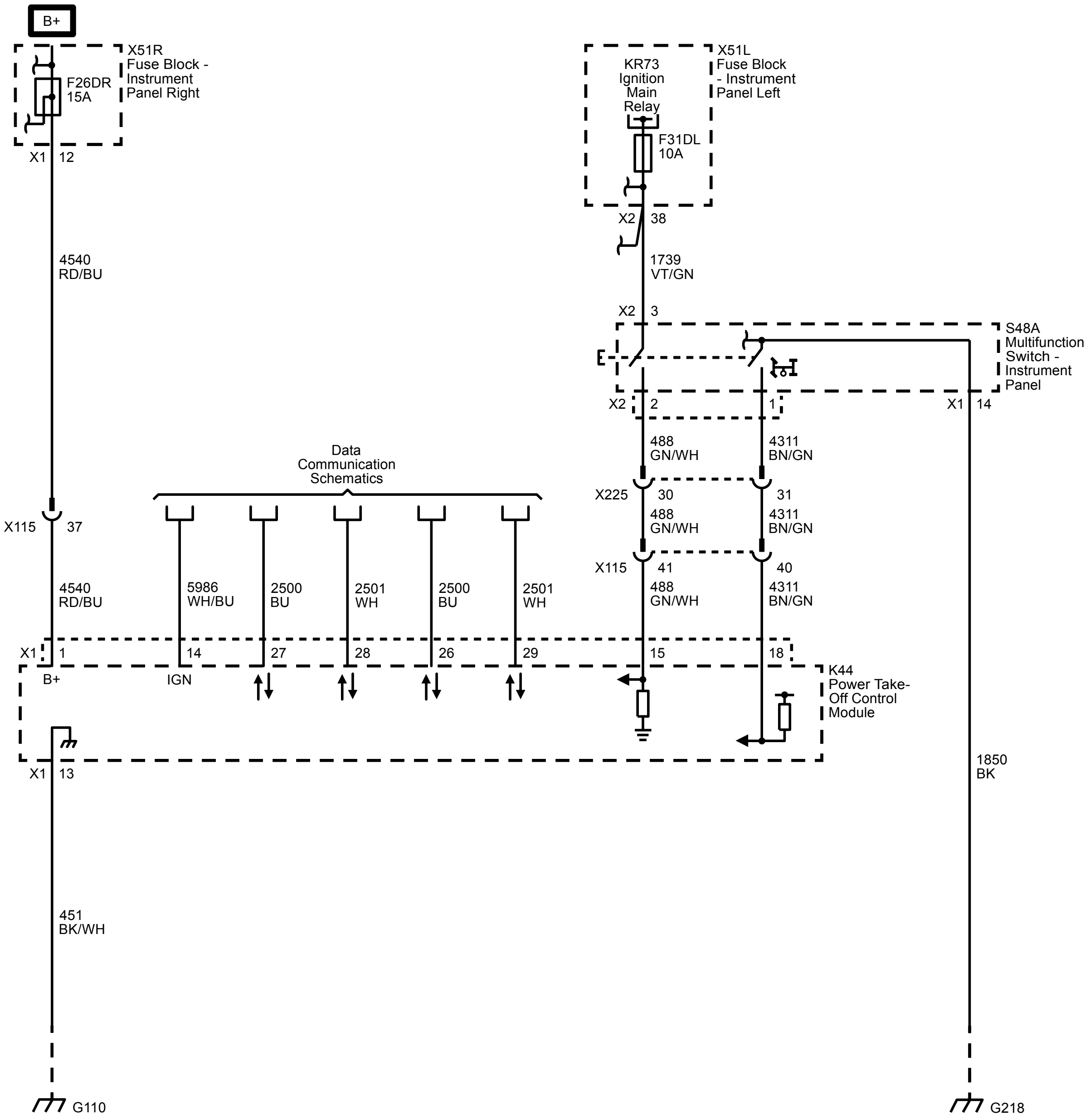
Transmission

Power Take-Off

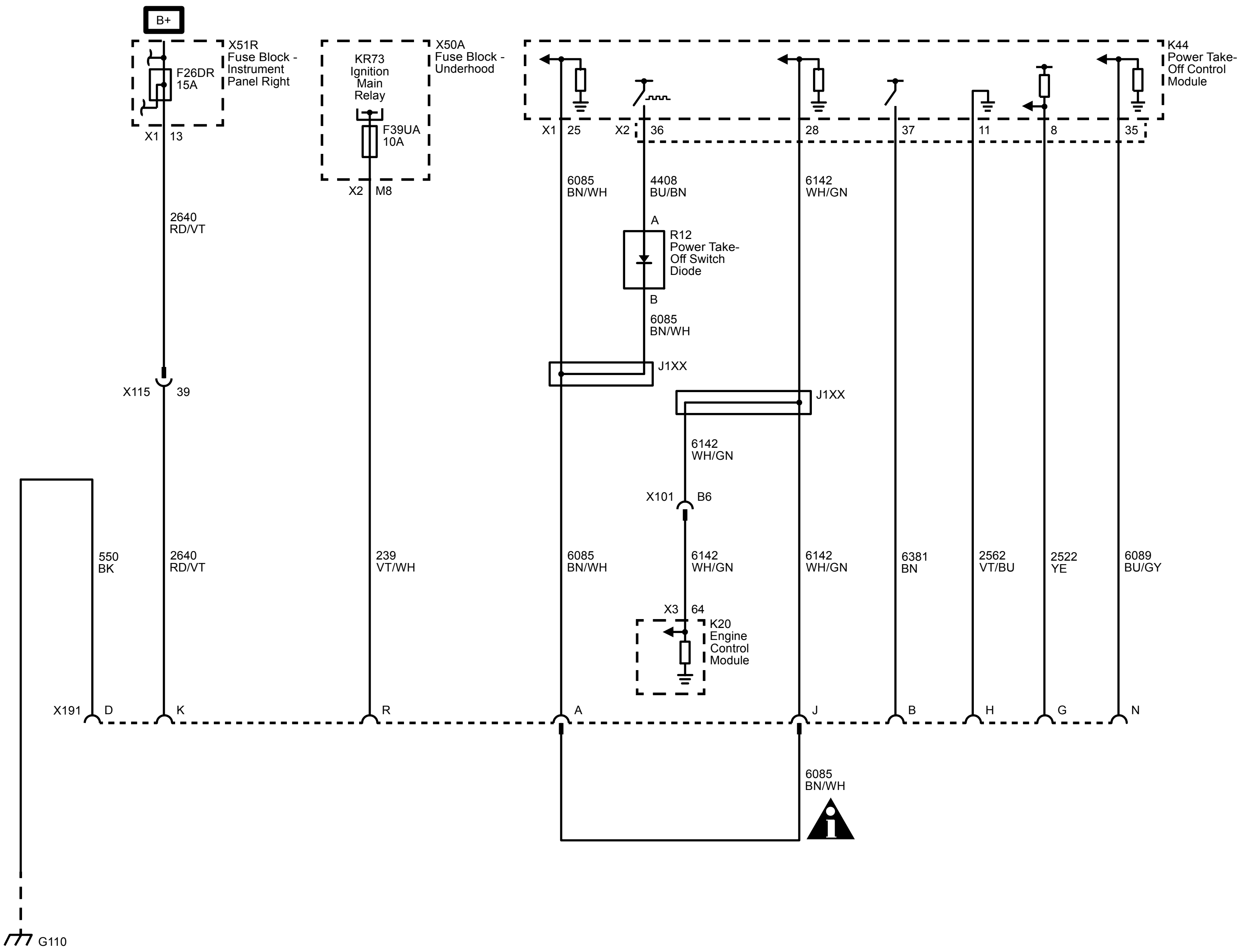
Schematic and Routing Diagrams

Power Take-Off (PTO) Schematics

Power, Ground, Serial Data and Enable


B+
X51R
Fuse Block - Instrument Panel Right
F26DR
15A
X1 12
4540
RD/BU
X115 37
4540
RD/BU
KR73
Ignition Main Relay
X51L
Fuse Block - Instrument Panel Left
F31DL
10A
X2 38
1739
VT/GN
X2 3
S48A
Multifunction Switch - Instrument Panel
X2 2
1
X1 14
488
GN/WH
4311
BN/GN
X225 30
31
488
GN/WH
4311
BN/GN
X115 41
40
488
GN/WH
4311
BN/GN
Data Communication Schematics
5986
WH/BU
2500
BU
2501
WH
2500
BU
2501
WH
X1 1
14
27
28
26
29
15
18
B+
IGN
K44
Power Take-Off Control Module
X1 13
451
BK/WH
1850
BK
G110
G218

Provisional Connector

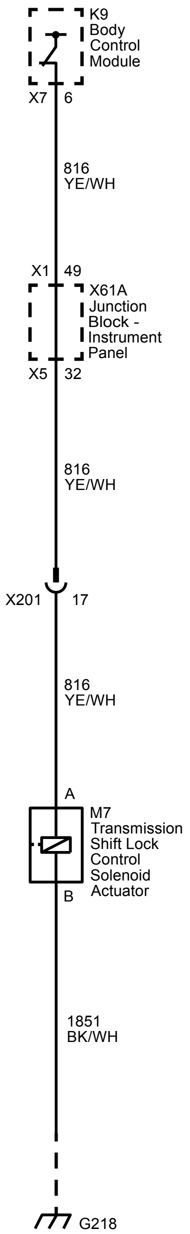

B+
X51R
Fuse Block - Instrument Panel Right
F26DR 15A
X1 13
2640 RD/VT
X115 39
KR73 Ignition Main Relay
X50A Fuse Block - Underhood
F39UA 10A
X2 M8
239 VT/WH
K44 Power Take-Off Control Module
X1 25
X2 36
28
37
11
8
35
6085 BN/WH
4408 BU/BN
6142 WH/GN
A
R12 Power Take-Off Switch Diode
B
6085 BN/WH
J1XX
J1XX
6142 WH/GN
X101 B6
550 BK
2640 RD/VT
239 VT/WH
6085 BN/WH
6142 WH/GN
6142 WH/GN
6381 BN
2562 VT/BU
2522 YE
6089 BU/GY
X3 64
K20 Engine Control Module
X191 D
K
R
A
J
B
H
G
N
6085 BN/WH
G110

Shift Lock Control

Schematic and Routing Diagrams

Shift Lock Control Schematics

Shift Lock Control (M5U, MW7, MYC or MYD)


K9
Body
Control
Module
X7
6
816
YE/WH
X1
49
X61A
Junction
Block -
Instrument
Panel
X5
32
816
YE/WH
X201
17
816
YE/WH
A
M7
Transmission
Shift Lock
Control
Solenoid
Actuator
B
1851
BK/WH
G218

Description and Operation

Automatic Transmission Shift Lock Control Description and Operation

The Automatic Transmission Shift Lock Control System is a safety device that prevents an inadvertent shift out of PARK when the engine is running. The driver must press the brake pedal before moving the shift lever out of the PARK position. The system consists of the following components:

- The Automatic Transmission Shift Lock Solenoid (serviced as the Automatic Transmission Shift Lock Actuator)
- The Body Control Module (BCM)
- The Engine Control Module (ECM)

The BCM controls the voltage to the shift lock control solenoid though the shift lock control solenoid controlled voltage circuit. The following conditions must be met before the BCM will supply voltage to the shift lock control solenoid:

- The ignition is in the ON position.
- The ECM sends an input via GMLAN serial data to the BCM when the Transmission Control Module (TCM) indicates the transmission is in the PARK position.
- The BCM receives a brake applied input from the stop lamp switch.

Since the shift lock control solenoid is permanently grounded, the BCM supplies voltage to the automatic transmission shift lock control solenoid, releasing the mechanical lock on the shift lever as the solenoid energizes. The energized solenoid allows the driver to move the shift lever out of the PARK position. When the brake pedal is not applied, the BCM turns the control voltage output of the shift lock control solenoid OFF, de-energizing the shift lock control solenoid. When the transmission is in the PARK position, the de-energized shift lock control solenoid will prevent shifting as the lever is mechanically locked in the PARK position.

During remote start operation, the BCM will energize the shift lock control circuit, locking the shift lever in the PARK position.